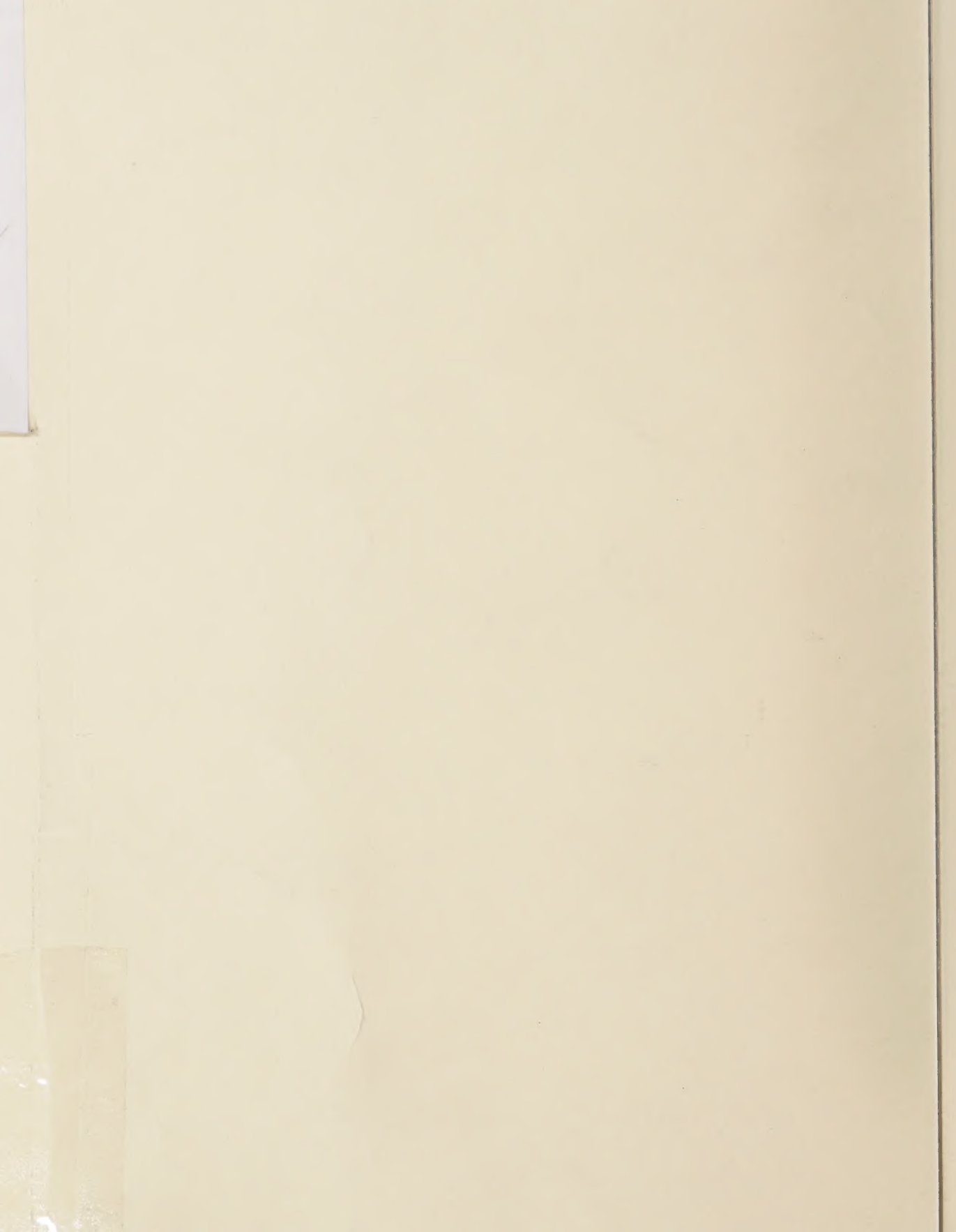


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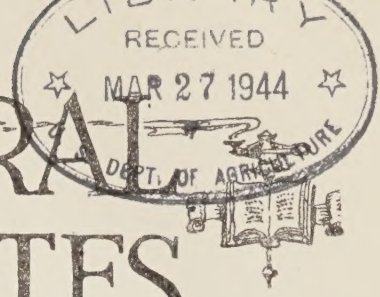
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1938

Edited by Claribel R. Barnett,
Librarian, United States Department of Agriculture

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- No. 2. Classified List of Articles presented before the Agricultural
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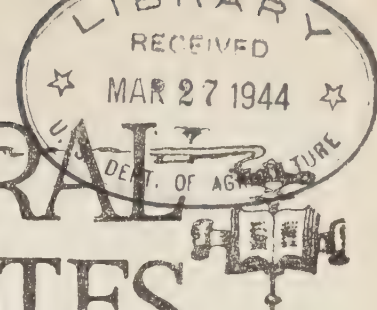
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- HOLLANDS, H. F. Taxes and net income. West. Farm Econ. Assoc. Proc. 10(1937): 57-61. 1937. (Mimeographed)
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- WOOLLEY, D. W., and PETERSON, W. H. Some observations on the Kapeller-Adler method for the determination of histidine. The histidine content of yeast. Jour. Biol. Chem. 122: 207-211. Dec. 1937. (D. W. Woolley, Univ. Wis.)

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TRANSLATION SERVICE OF THE NORTH CAROLINA STATE COLLEGE

In Agricultural Library Notes for March and November 1936, Dr. L. E. Hinkle, Head of the Department of Modern Languages and Director of the Translation Service of the North Carolina State College, described briefly the scientific translation projects of the college. During the past two years he has also kindly been sending to the U. S. Department of Agriculture Library copies of the translations made at the college under his direction. These have been listed in Agricultural Library Notes. It is a pleasure now to call attention to a bulletin* by him giving more detailed information of the translation service under his direction. The bulletin contains an account of the origin and early development of the Service, an account of the proposed translation project of the U. S. Department of Agriculture, the proposed cooperation with Science Service, some account of the translating work at other institutions, and some suggestions regarding the future development of translation work in colleges and universities. At the end of the bulletin are three lists of translations completed by the Department of Modern Languages of the North Carolina State College as follows: (a) those deposited at the State College Library and at the U. S. Department of Agriculture Library; (b) those deposited at these libraries and also with Science Service; and (3) those deposited at the State College Library for local use only. Specimen title sheets used for the translations and a specimen page of translation are also given. This bulletin fills a need and will, it is hoped, do much to encourage further cooperation in translating work. - Claribel R. Barnett.

*N.C.State College of Agric. and Engin., Dept. of Modern Languages, Bul. No. 1, Nov. 1937. A Translation Service, by L. E. Hinkle.

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LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1937*

Florida

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Revision of Bul. 73.

Georgia

- 1938 agricultural outlook for Georgia. (Ga. Agr. Col. Ext. Bul. 463) Athens, 1937.

Illinois

- Agricultural outlook for Illinois, 1938. (Ill. Agr. Expt. Sta. and Ext. Serv. Circ. 480) Urbana, 1937.
KADOW, K. J., and ANDERSON, H. W. Damping-off control in Illinois; recommendations for seed and soil treatment. (Ill. Agr. Expt. Sta. and Ext. Serv. Circ. 481) Urbana, 1937.

Iowa

- Iowa farm outlook for 1938. (Iowa State Col. Ext. Circ. 243) Ames, 1937.

Maryland

- McPHEETERS, M. School lunches. Part I. The carried lunch. (Md. Univ. [Agr.] Ext. Circ. 124) College Park, 1937.

Massachusetts

- Massachusetts farm outlook for 1938. (Mass. State Col. Ext. Farm Econ. Facts v. 10, no.9) Amherst, 1937.
PARKER, S. R., and others. Building Massachusetts soil with the agricultural conservation program. (Mass. State Col. Ext. Leaflet 175) Amherst, 1937.

Minnesota

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KITTLESON, A. J. 4-H club leaders' manual. (Minn. Univ. Agr. Ext. Minn. Boys' and Girls' Club Bul. 18, rev.) University Farm, St. Paul, 1937.
RILEY, W. A. How to fight the housefly. (Minn. Univ. Agr. Ext. Spec. Bul. 48, rev.) University Farm, St. Paul, 1937.
CHRISTOPHERSON, C. H., and others. The farm shop. (Minn. Univ. Agr. Ext. Spec. Bul. 190) University Farm, St. Paul, 1937.
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*Prepared in Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1937
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Mississippi

GOODELL, C. J., and NEWELL, P. F. The farm sheep enterprise for Mississippi. (Miss. State Col. Ext. Bul. 86) State College, 1937.

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MASSEY, E., and MEADOR, M. L. Girls' 4-H club contest handbook. (Miss. State Col. Ext. Circ. 88) State College, 1936.

NEWELL, P. F., and GOODELL, C. J. The pork demonstration; cutting, curing and storing. (Miss. State Col. Ext. Circ. 91, rev.) State College, 1937.

GOODELL, C. J., and NEWELL, P. F. Animal husbandry judging contests. (Miss. State Col. Ext. Circ. 92) State College, 1937.

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GARLAND, J., and SWANN, S. S. Organization manual for county home demonstration clubs and county home demonstration councils. (Miss. State Col. Ext. Circ. 93) State College, 1937.

HUNTER, F. M. An electric water system and plumbing for the farm. (Miss. State Col. Ext. Circ. 94) State College, 1937.

Missouri

EWING, T. A., and CARL, F. Cutting, curing, and canning pork and beef. (Mo. Agr. Col. Ext. Circ. 371) Columbia, 1937.

SWARTWOUT, H. G. Establishment and management of the vineyard. (Mo. Agr. Col. Ext. Circ. 372) Columbia, 1937.

Montana

ISAAC, E. E. Shelter belts for Montana. (Mont. State Col. Ext. Bul. 109, rev.) Bozeman, 1937.

CUSHMAN, H. E., and MURDOCK, H. E. Poultry housing and poultry house equipment. (Mont. State Col. Ext. Bul. 115, rev.) Bozeman, 1937.

MURDOCK, H. E. Montana farm house plans. (Mont. State Col. Ext. Bul. 152) Bozeman, 1937.

MORRIS, H. E., and MERCER, R. D. Perennial weeds and their control. (Mont. State Col. Ext. Bul. 153) Bozeman, 1937.

WELCH, H. Fowl paralysis. (Mont. State Col. Ext. Circ. 46, rev.) Bozeman, 1937.

MERCER, R. D. Tillage for Montana. (Mont. State Col. Ext. Circ. 81) Bozeman, 1937.

ANDERSON, I. M. C. Wintering livestock. (Mont. State Col. Ext. Circ. 82) Bozeman, 1937.

NELSON, J. A., and TRETSEVEN, J. O. Production of quality cream. (Mont. State Col. Ext. Circ. 83) Bozeman, 1937.

MERCER, R. D. Preparing crop exhibits. (Mont. State Col. Ext. [Circ.] 85) Bozeman, 1937.

New Hampshire

CHARLES, T. B., and TEPPER, A. E. Capons and caponizing. (N. H. Univ. [Agr.] Ext. Circ. 203) Durham, 1937.

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Mineographed.

New Mexico

FITE, A. B. Potato production in New Mexico. (N. Mex. Agr. Col. Ext. Circ. 148) State College, 1937.
On cover: Potato culture in New Mexico.
REID, T. Erosion control crops and practices for the non-irrigated farming area of New Mexico. (N. Mex. Agr. Col. Ext. Circ. 149) State College, 1937.
New Mexico 4-H club secretary's book: junior extension work. (N. Mex. Agr. Col. Ext. Circ. 150) State College, 1937.

New York

List of publications issued by the Cornell University agricultural experiment station and the New York State college of agriculture and home economics. (N. Y. Agr. Col. (Cornell) Ext. Bul. 47, rev.) Ithaca, 1937.
BUSSELL, F. P. Oats and barley on New York farms. (N. Y. Agr. Col. (Cornell) Ext. Bul. 376) Ithaca, 1937.
ROEHL, L. M. Grinding the farm tools. (N. Y. Agr. Col. (Cornell) Ext. Bul. 378) Ithaca, 1937.
The New York state 1938 agricultural outlook. (N. Y. Agr. Col. (Cornell) Ext. Bul. 382) Ithaca, 1937.

North Carolina

AREY, J. A., and KIMREY, A. C. A 4-H dairy calf club manual. (N.C. Agr. Col. Ext. Club Ser. 12) State College Station, Raleigh, 1937.
HARRILL, L. R. The parents part in 4-H club work. (N. C. Agr. Col. Ext. Club Ser. 13) State College Station, Raleigh [1937]
McKIMMON, J. S., and MORRIS, C. C. Jelly, preserves, jam, and pickles. (N. C. Agr. Col. Ext. Circ. 113, rev. and reprinted) State College Station, Raleigh, 1937.

North Dakota

ANDERSON, H. G. County agricultural planning, North Dakota; suggestions of the county program planning committees during their meetings in 1936-1937. (N. Dak. Agr. Col. Ext. Circ. 159) State College Station, Fargo, 1937.
ANDERSON, H. G. North Dakota farm outlook, 1938. (N. Dak. Agr. Col. Ext. Circ. 160) State College Station, Fargo, 1937.

Ohio

OHIO STATE UNIVERSITY. DEPT. OF RURAL ECONOMICS. The agricultural outlook for 1938. (Ohio Agr. Col. Ext. Timely Econ. Inform. for Ohio Farmers, no. 119) Columbus, 1937.

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Oregon

- BREITHAUPT, L. R. The agricultural outlook for Oregon in 1938. (Oreg. Agr. Col. Ext. Agr. Situation and Outlook Circ. 11) Corvallis, 1937.

Pennsylvania

- MECARTNEY, J. L. Growing strawberries in Pennsylvania. (Penn. State Col. Ext. Circ. 181) State College, 1937.
References, p. 20.
- DICKEY, J. B. R. Fertilizing farm crops. (Penn. State Col. Ext. Leaflet 26, rev.) State College, 1937.
- DICKEY, J. B. R. Cover crops for farm, orchard, and garden. (Penn. State Col. Ext. Leaflet 53, rev.) State College, 1937.

Puerto Rico

- ARRILLAGA, C. G. La cría y cuido de conejos. (Puerto Rico Univ. [Agr.] Bol. de Ext. Num. 11) Rio Piedras, 1937.
- ORCASITAS, M. T. Harina de maiz; modos de prepararla para la mesa. (Puerto Rico Univ. [Agr.] Circ. de Ext. Num. 10) Rio Piedras, 1937.
- PICÓ, F. Razas de ganado lechero. (Puerto Rico Univ. [Agr.] Circ. de Ext. Num. 11) Rio Piedras, 1937.

Rhode Island

- GATTON, D. Rhode Island 4-H clothing club work. (R. I. State Col. Ext. Bul. 71) Kingston, 1937.

South Carolina

- PHAGAN, C. V. The well-kept farm home. (Clemson Agr. Col., S. C., Ext. Circ. 155) Clemson, 1937.
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South Dakota

- The 1937 agricultural conservation program for South Dakota farms. (S. Dak. State Col. Ext. Circ. 364) Brookings [1937]
- GITCHELL, L. Songs of the seasons. (S. Dak. State Col. Ext. Circ. 369) Brookings 1937.
- GILBERTSON, G. I., and SEVERIN, H. C. Destroy grasshopper eggs. (S. Dak. State Col. Ext. Circ. 371) Brookings, 1937.

Tennessee

- KELLER, L. L. Interior home improvements. (Tenn. Univ. Agr. Ext. Pub. 199) Knoxville, 1937.
- KELLER, L. L. Clothing the farm family. (Tenn. Univ. Agr. Ext. Pub. 200, reprinted [i.e. rev.]) Knoxville, 1937.
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Tennessee (continued)

- KELLER, L. L. Comfortable bedrooms. (Tenn. Univ. Agr. Ext. Pub. 201) Knoxville, 1937.
- KELLER, L. L. The well planned kitchen. (Tenn. Univ. Agr. Ext. Pub. 202) Knoxville, 1937.
- KELLER, L. L. Aids in good grooming. (Tenn. Univ. Agr. Ext. Pub. 206, reprinted [i.e. rev.]) Knoxville, 1937.
- MARTIN, G. E. The place of terraces in Tennessee agriculture. (Tenn. Univ. Agr. Ext. Pub. 209) Knoxville, 1937.

Texas

- ROSBOROUGH, J. F. Home orchards. (Texas Agr. Col. Ext. [Bul.] B-73 [rev.]) College Station, 1937.
- NEELY, G. I. Canning fruits and vegetables. (Texas Agr. Col. Ext. [Bul.] B-85, rev.) College Station, 1937.
- FRANKE, L. Legumes for Texas. (Texas Agr. Col. Ext. [Circ.] C-118) College Station, 1937.

Vermont

- Care and adjustment of the sewing machine. (Vt. Agr. Col. Ext. Brieflet 473) Burlington, 1937.
Mimeographed.
- SOMMERFELD, E. The art of renovation and remodeling. (Vt. Agr. Col. Ext. Brieflet 474) Burlington, 1937.
Mimeographed.
- BROOKS, C. P. Candlewicking. (Vt. Agr. Col. Ext. Brieflet 475) Burlington, 1937.
Mimeographed.
- BROOKS, C. P. The family prepares for Christmas. (Vt. Agr. Col. Ext. Brieflet 476) Burlington, 1937.
Mimeographed.
- TARRANT, L. The home-packed school lunch. (Vt. Agr. Col. Ext. Brieflet 477) Burlington, 1937.
Mimeographed.
- TARRANT, L. Tomato recipes. (Vt. Agr. Col. Ext. Brieflet 478) Burlington, 1937.
Mimeographed.

Washington

- HODGSON, R. E., and others. Making stack silage. (Wash. State Col. Ext. Bul. 235) Pullman, 1937.
- Making an ice skating rink. (Wash. State Col. Ext. Bul. 237) Pullman, 1937.
- MADDOX, C. S. Fattening cattle in Washington. (Wash. State Col. Ext. Bul. 238) Pullman, 1937.
- HEGNAUER, L. Seeding crested wheat grass. (Wash. State Col. Ext. Circ. 26A) Pullman, 1937.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING DECEMBER 1937

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- WALKER, H. M. 4-H clubs in Washington. (Wash. State Col. Ext. 4-H Circ. 47, rev.) Pullman, 1937.
- BEARSE, G. E., and others. Eggs and their care. (Wash. State Col. Ext. Poultry Pointers, no. 29) Pullman, 1937.
- The general business situation [Agricultural outlook for 1938] (Wash. State Col. Ext. Timely Econ. Inform. for Wash. Farmers, no. 29) Pullman, 1937.

Wisconsin

- CHRISTENSEN, C. L., and others. Cooperation principles and practices. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered] rev.) Madison, 1937.
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- LEES, C. L., and GESSNER, A. A. "When choosing a play." (Wis. Agr. Col. Ext. Stencil Circ. 182) Madison, 1936.
Mimeographed.
- ZON, R., and CUNNINGHAM, R. N. The farm woodland; a neglected resource. (Wis. Agr. Col. Ext. Stencil Circ. 186) Madison, 1937.
Mimeographed.
- GESSNER, A. A. Ten years of drama in rural Wisconsin. (Wis. Agr. Col. Ext. Stencil Circ. 194) Madison, 1937.
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MORE LIBRARIES FOR RURAL COMMUNITIES*

A love of books and good literature is one of the marks of an educated person, said Ruth Current, state home demonstration agent at State College.

"Many of our home demonstration club women over the State like good books," she continued, "but often they don't have a chance to get the books they would like to read. For this reason, we are trying to establish home demonstration club libraries in the different counties. Some have been established already, but many more are needed."

The Johnston County home demonstration library reported that during the month of December, 183 books were loaned, and one woman said she read till four o'clock one morning to finish a book she had become interested in.

At various club meetings, Miss Current added, some of the women make reports on books they have read, and in this way the others are given a chance to learn about more books than they would have opportunity to read in full by themselves.

Miss Current has urged all home demonstration agents to push library work this month as they present the year's program of work to the club members.

Marjorie Beal, secretary of the N. C. Library Commission, is cooperating in the library work, and has supplied lists of books that are especially recommended for rural readers. The list covers fiction, history, biography, religion, books for children, and books of an informative or educational nature.

*Press Release from the N. C. Agricultural Extension Service

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during December, 1937, exclusive of bibliographies*
and current issues of serials.**

Agricultural Adjustment Administration

The audit of handlers' records in connection with federal regulation of milk marketing. By E. S. Harris and O. M. Reed. 1937. 17 p. Issued by Division of marketing and marketing agreements, Dairy section. 1.94 D14Au

Economic brief with respect to the proposed milk marketing agreement and proposed order for the St. Louis, Missouri, marketing area. By P.L. Miller, H. I. Richards and W. G. Sullivan. 1937. 118 p. (Paper no. 17. Series on marketing agreements and orders) Issued by Division of marketing and marketing agreements, Dairy section. 1.94 D14Pap

Bureau of Agricultural Economics

Cotton production in British East Africa, by P. K. Norris. (Revised from article in Foreign agriculture, July 1937) 1937. 23 p. 1.9 Ec752 no.73

Imports of fruits and vegetables under quarantine by countries and ports of entry 1936-37. Comp. from the official records of the Bureau of entomology and plant quarantine. 1937. 14 p. 1.9 Ec753I

Interstate free trade: a priceless heritage. By W. A. Sherman, Division of fruits and vegetables. 1937. 7 p. Address delivered at 20th Annual session National association of commissioners, secretaries, and directors of agriculture, Washington, D. C. November 16, 1937. 1.9 Ec741Isf

The outlook for agricultural exports. By L. A. Wheeler. 1937. 22 p. Address, Meeting of American farm economic association, Atlantic city, N. J. December 28-30, 1937. 1.9 Ec753Ou

Outstanding farm-mortgage loans of leading lending agencies. By N. J. Wall. 1937. 51 p. 1.9 Ec780

Quality of cotton ginned in South Carolina crops of 1928-36. By W. B. Lenham and F. H. Harper. 1937. 65 p. In cooperation with the South Carolina Agricultural experiment station. 1.9 Ec733 Qcs

Revised data for tables in 1938 chart books as of November 15. 1937. 20 p. 1.9 Ec70re

Selected agricultural outlook charts for vocational agricultural teachers. Issued November 1937. 103 p. 1.9 Ec7AgrCh

*Bibliographies included in general list of bibliographies on page 20.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

- U. S. standards for green asparagus for canning or freezing. Effective December 22, 1937. 3 p. 1.9 Ec74As
- U. S. standards for lemons (effective January 2, 1938) Issued December 27, 1937. 11 p. 1.9 Ec74Lem
- U. S. standards for lima beans. Effective January 5, 1938. Issued December 28, 1937. 4 p. 1.9 Ec74Bel

Bureau of Animal Industry

- Mineral requirements of livestock. 1937. 5 p. (A.N.D. no. 2) Issued by Animal nutrition division. 1.9 An527A

Bureau of Biological Survey

- Blackbirds and the rice crop on the gulf coast. By E. R. Kalmbach. 1937. 4 p. (Wildlife research and management leaflet BS-96.) Issued by the Section of food habits, Division of wildlife research. 1.9 B524W
- Disease as a factor in game fluctuation. By J. E. Shillinger. 1937. 3 p. (Wildlife research and management leaflet BS-99.) Issued by the Section of disease control, Division of wildlife research. 1.9 B524W

Bureau of Chemistry and Soils

- Second semi-annual naval stores report on production, distribution, consumption and stocks of turpentine and rosin of the United States: April 1, 1937 - September 30, 1937. Issued December 15, 1937. Comp. by F. P. Veitch and C. F. Speh. 12 p. 1.9 C4929Ans

Bureau of Dairy Industry

- Tester's computer. Comp. by J. F. Kendrick. November 1937. 22 p. 1.9 D143Te

Extension Service

- Organizations and programs for rural young people. Summary of the 1936 annual narrative reports of state and county extension workers, including many excerpts. Prepared by B. D. Joy. Issued November 1937. 41 p. (Extension service circular 273) 1.9 Ex892Esc
- Participation in home-economics extension and effectiveness of the program. A study of 171 rural families in Franklin county, Massachusetts, 1936. By G. Gallup and A. T. Herr. Issued Oct. 1937. 37 p. (Extension service circular 271) 1.9 Ex892Esc
- Statistical measurements of 4-H club work with special reference to 1936. By B. D. Joy. Issued Oct. 1937. 18 p. (Extension service circular 270) 1.9 Ex892Esc

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Farm Security Administration

Survey of agricultural labor conditions in Lac Qui Parle county, Minnesota, by T. Vasey and J. C. Folsom. November 1937. 11 p. In cooperation with the Bureau of agricultural economics. 1.95 Sul

Survey of agricultural labor conditions in Todd county, Kentucky, by T. Vasey and J. C. Folsom. November 1937. 18 p. In cooperation with the Bureau of agricultural economics. 1.95 Sul

Food and Drug Administration

Directory of state officials charged with the enforcement of food and drug laws January 1938. 4 p. 1.9 C464D

Outlines for instruction in tomato microscopical methods. By B. J. Howard. Revised 1937. 15 p. Issued by Microanalytical division. 1.9 F732140

Forest Service

American woods. Northern white pine (*Pinus strobus*) by H. S. Betts. Issued August 1937. 7 p. 1.9 F76Am

Who burns our forests? by E. S. Pitt and E. G. Bogert. 1937. 9 p. (CS-1)
Issued in cooperation with the General federation of women's clubs. 1.9 F76C1

Bureau of Plant Industry

Report of the Great Plains uniform winter-hardiness nurseries. 1936-37. By K. S. Quisenberry, Division of cereal crops and diseases. 2 p. 1.9 P6917 Reg

Bureau of Public Roads

Information on the proposed Inter-American highway. December 15, 1937. 13 p. 1.9 R53In 1937

Report of the Department of highway finance, by T. H. MacDonald. 1937. 35 p. Paper presented at Annual meeting of the Highway research board, December 2, 1937. 1.9 R53Ad

Soil Conservation Service

Soil and water conservation and plant-soil relationships in the southwest. Issued November 11, 1937. 14 p. (RB no. 20) Issued by Region 8, Albuquerque, N. Mex. 1.9608 R26

Weather Bureau

Weather forecasting, with special reference to hydrology and aeronautics. Address by W. R. Gregg before the Hartford engineers club, Hartford, Conn., December 16, 1937. 11 p. 1.9 W37Add

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

Compiled by Mabel Colcord, Librarian
Bureau of Entomology and Plant Quarantine
U. S. Department of Agriculture

The entomological works published in 1937 are unusually numerous and excellent in quality. This selected list may be divided roughly into two parts: 1. Books of general and popular interest; 2. New editions of standard works indispensable to an entomologist. No attempt has been made to include the many publications on the different orders of insects or on single families, such as Ferris' Atlas of Scale in Insects, Ross' General Classification of the Nearctic Sawflies, etc., etc.

Besides the books, we all welcome the appearance of the Journal of the Society for the Bibliography of Natural History, started in the fall of 1936, published by the Society, London. This Society was instituted exclusively for the study of the bibliography of all branches of natural history, including zoology, botany, geology and mineralogy. The Journal contains collected lists of bibliographical papers published on various branches of natural history, original contributions in regard to dates of publication of geology, botany, etc., particulars as to disposal of libraries and collections of deceased naturalists, and papers on bibliographical subjects. No. 2 is a "Catalogue of papers concerning the dates of publication of natural history books, by Francis J. Griffin, C. Davies Sherborn, and H. S. Marshall." From time to time facsimile reproductions of rare and unique works or parts will be included. The Society maintains a card index containing references to all published papers on bibliographic subjects, which is available for consultation by its members on application to the Secretary.

Books of General and Popular Interest

Chrystal, R. N. Insects of the British woodlands. London and New York, Frederick Warne & Co., Ltd. [c1937] 338 p. illus. Bibliography: p. 327-330.

This book is an elementary treatise on insects of the British woodlands, stressing the biological point of view. It contains biological synopses of the more important insect orders.

Culture methods for invertebrate animals; a compendium prepared cooperatively by American zoologists under the direction of a committee from Section F of the American association for the advancement of science: Paul S. Galtsoff, Frank E. Lutz, Paul S. Welch, James G. Needham, chairman, assisted by many specialists whose names appear in connection with their respective contributions to this volume. Ithaca, N. Y., Comstock publishing company, inc., 1937. 590 p. illus. Contains bibliographies.

Here one finds a wealth of useful information on the culture of many invertebrates suitable for research. The book is organized on taxonomic lines, the various sections being designed to give practical data on the methods of rearing, handling and observing the form in question. It is well indexed and contains many pertinent references.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

Books of New and Popular Interest (continued)

- Smith, K. M. A textbook of plant virus diseases. Philadelphia, P. Blakiston's sons & co., 1937. 500 p. illus.
 A most useful work; gives the virus properties, modes of transmission, diseases it causes (arranged according to plant families). The insect vectors are described in detail.
- Teale, E. W. Grassroot jungles- a book of insects illustrated with 130 photographs by the author. New York, Dodd, Mead & co., 1937. 231 p. illus.
 Charming, simple, straight forward, well written with many fine illustrations.
- Verrill, A. H. Strange insects and their stories. Boston, L. C. Page & company, [c1937]. 205 p. illus. (Strange stories from nature series)
 Eminently readable this book tells in popular language some of the interesting facts about insects the average person might observe - How they live - Various kinds and species - Curious traits - Their intelligence - Ways of communicating with each other - Battle for survival - Benefit to all mankind, etc., etc. It gives also a few practical hints to young entomologists on mounting, preserving and breeding insects.
- Weiss, H. B., and Carruthers, R. H. Insect enemies of books. New York, New York public library, 1937. (Reprinted from the Bul. N. Y. Pub. Lib. of Sept.-Dec. 1936). 63 p. illus.
 This book is divided into two parts; The important insect enemies of books by H. B. Weiss, and Insect enemies of books, an annotated bibliography to 1935, compiled by H. R. Carruthers and H. B. Weiss. In the first part each of the several insect pests of books is described and information given for the protection of books from damage likely to be caused. The second and larger part is the annotated bibliography arranged under the headings: Bibliography, Ancient and Classical periods; To the end of the Seventeenth century, Eighteenth century, Nineteenth century and Twentieth century. Very complete.
- Westcott, Cynthia. The plant doctor; the how, why and when of disease and insect control in your garden. New York, F. A. Stokes company, 1937. 228 p. illus. "Recommended reading": p. 222-223.
 A very good book for the home gardner. Arranged by months - March to November inclusive. Assuming that in every garden some control of insects and diseases is necessary it gives suggestions for those most frequently met on ornamental plants, trees, shrubs, annuals, and perennials and stresses the right time of application of remedies; house plants and vegetables are excluded.
- Wheeler, W. M. Mosaics and other anomalies among ants. Cambridge, Mass., Harvard University press, 1937. 95 p. illus. Bibliography: p. 89-95.
 Cooperative effort of Dr. Wheeler and his student Dr. Neal Weber. Deals with the fungus growing ant *Acromyrmex octospinosus* Reich; tells of many anomalous individuals of which over fifty are of interest because unlike anything previously observed among ants or any social insects, and because they contain the solution of the problem of caste determination in ants which have been bothering students for the past half century.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

Books of General and Popular Interest (continued)

Massee, A. M. The pests of fruits and hops, by A. M. Massee ...Plates by R. M. Greenslade...Foreword by J. C. F. Fryer... London, C. Lockwood & son, ltd. [1937]. 294 p. illus. (Half-title:Agricultural and horticultural handbooks). "References" at end of each section.

Great strides have been made in control measures in the last few years. Economic entomology is concerned with the defensive as well as the offensive against insects, e.g. how to grow plants strongly resistant to pests and disease. This book attempts to place before fruit-growers a simple and brief account of some of the more important insects and allied pests that occur on top and soft fruits and on hops. Many good photographs are given to help one recognize the insects; the practical utility of chemicals and methods of applying are considered, but it is not a discussion of the chemical aspects. Spraying equipment and methods are by Mr. J. Turnbull.

Moore, C. G. The book of wild pets, being a discussion on the care and feeding of our native wild life in captivity, together with notes on their identification and life habits. By Clifford B. Moore, biologist in charge, Trailside Museum, Springfield, Massachusetts. New York, G. P. Putnam's sons, 1937. 553 p. illus.

A reference and source book on the care and feeding of our most common native (and in a few cases "naturalized") wild forms in captivity. Chapter IV, Water insects for aquaria, p. 66-91; Chapter XIII-XIV, Insects and spiders as pets, p. 212-260. (Table of life histories and larval food of butterflies p. 231-234.)

Osborn, Herbert. Fragments of entomological history, including some personal recollections of men and events. Columbus, Ohio, Published by the author, 1937. 393 p. illus.

This is a record of events and sketches of persons known to the author. It is not intended as a summary nor even an outline. It gives an interesting account of the development of the science of entomology and of persons responsible for its growth--tells of the outstanding insect collections and gives many short biographies of present day entomologists. There is an appendix of about 250 photographs.

Peterson, A. A manual of entomological equipment and methods. St. Louis... Part II. John S. Swift co., inc., 1937. 334 p. illus. (Planographed.)

A compendium on information on rearing, marking, shipping, and transporting living and preserved material, collecting, photographing, sampling, catching, trapping, killing, mounting, labelling, drawing, clearing. A very complete compilation of abstracts of original articles. Indexes: A, scientific and common names of all species included. B, equipment and methods.

Ransome, H. M. The sacred bee in ancient times and folklore. Boston and New York, Houghton Mifflin co.; 1937. 308 p. illus.

Interesting and fascinating information about bees and beekeeping from ancient times to the middle of the nineteenth century; uses of bees and honey in relation to religious, domestic, mythological and artistic life, myths, folklore, legends, superstitions and man; an illustrated chapter on the bee in America is devoted chiefly to practices by the Maya.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
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Books of General and Popular Interest (continued)

Dobzhansky, Theodosius. Genetics and the origin of species. New York, Columbia University, 1937. 364 p. illus.

This work gives, 1. the sequence of evolution and events as they have actually taken place in the past history of various organisms, and 2. the mechanics that bring about evolutionary studies. It stresses the importance of genetics for a critical evolution of theories concerning the mechanics of evolution. It is, in fact, a discussion of the mechanics of species formation in terms of the known facts and theories of genetics. The book is well written, thorough, stimulating, and suggestive. It brings together a great array of facts from very diverse sources.

Doerly, Eleanor. The insect man--A tale of how the Yew Tree children went to France to hear the story of Jean Henri Fabre in the places where he lived and to see the homes of some of the insects whose life history he has written. Introduction by Walter de la Mare. New York, D. Appleton-Century co. 1937. 180 p. illus.

One will learn much of Fabre and his work from this book and "will have won something at least of his inmost self and spirit": very pleasant reading.

Emerson, A. E., and Fish, E. Termite city. New York, Chicago, San Francisco, Rand McNally & co., [c1937]. 127 p. illus.

Delightfully written, scientifically accurate. A book for young people but of great interest to adults also. The observations were made in the jungle about the Beebee laboratory at Kartabo, British Guiana: gives all phases of life: has a good index.

Forel, A. Out of my life and work, translated by Bernard Miall. New York, W. W. Norton & company, inc. [1937]. 352 p. illus.

Forel was a famous Swiss myrmecologist but was even better known in other walks of life and it is these with which this autobiography deals most fully, e. g., his work as an alienist, especially in relation to the intrigues attendant on many state appointments in Switzerland long ago--his life work for prohibition of intoxicating liquor and his particular form of socialism. The book shows a frank, lovable, sincere personality.

Howes, P. G. Handbook for the curious. New York, G. P. Putnam's sons, 1936. 264 p. illus. Insects and spiders; p. 70-212.

A simple, helpful guide for the curious: gives common and technical names of groups to which things belong; tells what they do, whether they are harmful or beneficial; has excellent illustrations, a selected bibliography and a detailed index.

Jacques, H. E. ...How to know the insects; an illustrated key to the more common families of insects, with suggestions for collecting, mounting and studying them. By H. E. Jaques... St. Louis, Chicago, [etc] J. S. Swift co., inc. [1936]. 140 p. illus. (Iowa academy of science. Biological survey publication no.1) "References": p.7.

This little book is clear and well arranged. It deals with the place and development of insects; gives directions for collecting and mounting, has keys to 25 orders and about 154 families. At least one representative of each family is figured. It is a very useful manual for the beginner.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

Books of General and Popular Interest (continued)

Williams, S. H. The living world. New York, Macmillan company, 1937.
704 p. illus. Partial contents, Chapter XIII. Arthropods: the spiders
and their relatives, p. 232-257. Bibliography; p. 253-257; Chapter XIV.
Arthropods: the insects, p. 258-357. Bibliography; p. 352-356.

A general cultural course which may serve as a basic text in nature
study, field-biology and elementary ecology courses. A classification
of the animal world and a simplified classification of habitats have been
included. Each phase of the subject is presented in a unit discussion.
Methods of study are emphasized. Well-planned, well written and well
illustrated. It contains an extensive bibliography and an appendix of
questions to answer.

Wilson, H. F. and Doner, M. H. The historical development of insect classi-
fication. St. Louis, Chicago, etc. Planographed by John S. Swift co.,
inc., 1937. 133 p. illus. "References" not cited in the text, p. 124-
126.

Aims to give a summary of all the work that has been done without
attempting to build up any determined system. The systems suggested have
been based on some dominant character or characters and the present work
is arranged according to the dominant character used (habitat, wings, tro-
phi, metamorphosis, etc.) rather than dividing the work into arbitrary
periods or eras and including all the systems in a given era. The proper
system of classification rests upon an exhaustive study of comparative
morphological characters throughout the existing orders studied in rela-
tion to those found among the fossil orders. When the technique of study-
ing blood relationships is more accurately developed natural relation-
ship will doubtless be determined as is now done among the higher animals.

New Editions

Brumpt, Emile. *Precis de parasitologie...* 5. ed. entièrement remaniée.
Paris, Masson et cie, 1936. 2 v. (2139 p.) illus. (On cover: Collec-
tion de *precis médicaux*). Paged continuously. Arthropodes v.2, p. 1098-
1338; Insectes, p. 1339-1570.

There have been tremendous advances in parasitology in the last decade
and this fifth edition of Brumpt is a very complete up-to-date textbook.
It gives a description of each species of parasite, life history and geo-
graphical distribution, role in transmission of disease, symptomatology,
diagnosis and treatment; the natural order of parasite is followed; has
a clear and comprehensive index.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

New Editions (continued)

Gage, S. H. The microscope, by Simon Henry Gage... Sixteenth edition, revised and enlarged by the addition of a chapter on micro-incineration. Ithaca, New York, Comstock publishing company, inc., 1936. 617 p. illus. 24 cm. Bibliography: p. 581-593.

Ed. 16 has been entirely reset, out-of-date, illustrations have been replaced and matter in general has been revised, rearranged and brought up-to-date. A new chapter (VI) has been added on the ultra-violet microscope and its use. Especial emphasis has been put on what may properly be called "the physical analysis of structure" by means of the dark field, the ultra-violet and the polarizing microscope, and the micro-spectroscope. An effort is made to encourage the study of living and fresh tissues and organs by means of the physical analysis made possible by the perfected dark field, etc., wholly independent of stains. Some additions have been made to the historical development of the microscope.

Guyer, M. F. Animal biology, revised edition. New York and London, Harper & brothers, 1937. xx, 735 p. illus. Reference books: p. 691-695. Crayfish; locust; bee; p. 211-242.

Brief, fairly comprehensive survey of a few particularly significant forms instead of many pieces of various animals. Full synoptic statement of the whole animal kingdom. Aims to develop a questioning state of mind and to train one to observe correctly. Intended to constitute a general principle course for the student that he may orient himself among the animals. Very good illustrations. Useful bibliography.

Imms, A. D. Recent advances in entomology. Philadelphia, P. Blakiston's son, 1937. 2nd ed. 400 p. illus.

Under morphology head segmentation and genitalia are revised; paleontology is fully revised; biological races has new material, sense organs include many recent investigations, and locusts and the phase problem has been rewritten and expanded. There are two chapters on biological control. The book is intended for students and teachers, does not cater to specialists in the special field covered. It is stimulating, can be read with pleasure and profit; outlines recent work in many lines.

Lee, A. B. Microtome's vademecum. 10th ed. Edited by J. Bronte Gatenby and Theophilus S. Painter. London, Churchill, 1937. 784 p. illus.

Contains the methods of both animal and plant microscopic anatomy. Revision has been very extensive. Plant technique has been added and new chapters on frozen section technique and vital staining.

McClung, C.E. ed. Handbook of microscopical technique for workers in animal and plant tissues... 2d. ed., rev. and enl. New York, P. B. Hoeber, inc., 1937. 698 p. illus. Bibliographical footnotes.

An up-to-date handbook, well illustrated to present the structure of pieces of apparatus and manipulation procedure; useful to any student of the microscope.

A SHORT ANNOTATED LIST OF BOOKS OF GENERAL INTEREST TO ENTOMOLOGISTS
PUBLISHED IN 1937

New Editions (continued)

Noodham, J. G. and Lloyd, J. T. Life of inland waters; an elementary textbook of fresh-water biology for students. 3rd ed. Ithaca, N. Y., Comstock publishing company, 1937. 438 p. illus. Selected bibliography: p. 413-419.

The preface says: "Our interests in water life are manifold. They are in part economic interests, for the water furnishes us food. They are in part aesthetic interests, for aquatic creatures are wonderful to see, and graceful and often very beautiful. They are in part educational interests, for in the water live the more primitive forms of life, the ones that best reveal the course of organic evolution. They are in part sanitary interests, interest in pure water to drink and in control of water-borne diseases and of the aquatic organisms that disseminate diseases. They are in part social interests, for clean shores are the chosen places for water sports and for public and private recreation. They are in part civic interests, for the cultivation of water products for human food tends to increase our sustenance and to diversify our industries." The book is an outline for general students and it is the ecologic side of the subject rather than the systematic or morphologic which has been emphasized.

Shelford, V. E. Animal communities in temperate America as illustrated in the Chicago Region. A study in animal ecology. [Ed. 2] Chicago, University of Chicago press, [c1937]. 368 p. illus. Bibliography: p. 325-336. (Geographic society of Chicago. Bul. no. 5)

This "second impression" is unchanged save for the correction of typographical and clerical errors and the addition of an annotated bibliography, p. 337-344. Community nomenclature changes are corrected in a table (p.337); the taxonomic nomenclature has been left in the original form.

Torre Bueno, J. R. de la A glossary of entomology - Smith's "An explanation of terms used in entomology" completely revised and rewritten... published by the Brooklyn entomological society, Brooklyn, N. Y. Lancaster, Penn., Science press printing co., 1937. 336 p. illus. Bibliography: p. 329-330.

This work is much more complete than the earlier Smith's Glossary, 12,000 definitions compared to 4,300 in that. It is on a sound basis, thoroughly worked out; includes besides terms on entomology those used in biology, chemistry, ecology and medical entomology. Appendix A, Latin abbreviations; Appendix B, Arbitrary signs and symbols used in entomology. The drawings are very clearly explained. The book is indispensable to every working entomologist and a veritable boon to the beginner.

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LIBRARY OF THE SCIENCE MUSEUM, SOUTH KENSINGTON, LONDON

The following extract on the origin and growth of the Science Museum Library, London, is taken from the Report of the Advisory Council of the Museum for the year 1936:

"The Science Library owes its origin to Sir Henry de la Beche, the first Director of the Geological Survey of Great Britain and Museum of Economic Geology, who in 1843, when these institutions were founded, contributed the whole of his valuable library of scientific books to form the nucleus of a library for the use of the officers of the Survey and Museum. To meet the demands of the School of Mines, founded in 1851, the library was then gradually developed into a general library of science.

"Meanwhile, in 1854, a special exhibition of English and foreign educational appliances and books was held in St. Martin's Hall, Long Acre, under the direction of the Society of Arts. Subsequently much of the material was handed over to the Science and Art Department, when the South Kensington Museum was founded in 1857. Here it was placed in a portion of the temporary iron buildings and a reading room was provided. To this collection were added, partly by gifts from publishers, institutions and individuals at home and abroad, and partly by purchase, text books on general subjects, works on the history and progress of education, and educational periodicals of all countries. The whole formed a general Educational Library. This was augmented in 1876 by the transfer of the library of general literature of the Committee of Council on Education. The need of a National library of Science was realized as the result of the reorganization of the science teaching of the Department of Science and Art, and in 1883 it was decided to bring to South Kensington all the books in the library of the Museum of Practical Geology not essential for the use of the staff of the Geological Survey. These books were amalgamated with the books on science in the Educational Library: this library was then renamed the Science Library, and the purely educational books were eliminated. A complete set of the specifications and abridgments of the Patent Office was added in 1886.

"Since 1883 the scope of the Science Library has comprised mathematics, the natural and physical sciences, and their applications; or in other words, that connected body of knowledge which relates to the phenomena of the material universe, their laws and uses in everyday life and industry. Gradually a comprehensive collection of English and foreign publications on science and technology from the earliest times has been gathered together, including examples of old and rare books. The Library now contains a quarter of a million volumes.

"In particular, the Library has become noted for its collection of thirteen thousand periodicals, of which some nine thousand are current. These journals are being increased at the rate of six or seven hundred annually, in the endeavor to secure a complete national collection of the principal periodicals of scientific value....

"The Library is now performing, as far as its resources will permit, the functions of a national central library of science and technology, and provides a general reservoir of literature on these subjects."

Four Museum officers and five women Junior Assistants comprise the higher staff of the Library. These staff members hold honours degrees in Science and foreign language qualifications. The Library is housed in part of one of the buildings of the Imperial College of Science and Technology.

THE NURSERYMAN'S LIBRARY

By George A. Filingir,
Kansas Agricultural Experiment Station

This is an age of "speed". Some one has said that we have to "run to keep from standing still." So many things happen each day that in order to keep informed on what is going on we get newspapers twice a day and tune in on our radios several times during the day. Our common sources of information are so full of politics, economics, religion and sociology that there is scarcely room for plant science. The new developments, investigations or experiences in nursery practice must be very unusual, exciting or bordering on the mysterious to be given space by our modern journalist or broadcasting director. Consequently, when such items of news are published or broadcast they are often exaggerated or their value over emphasized.

The nurserymen, naturally, are anxious to get the latest news on the various phases of nursery practice. Those who get reliable information first profit most. Since the daily press fails to satisfy most plant growers, nurserymen depend upon special journals, scientific bulletins and books for advice and precautions concerning their practices.

Nurserymen are not only interested in new authentic information, but they are anxious to standardize their practices because they are often dependent upon each other for various materials.

A knowledge of literature on nursery practice is, therefore, important to nurserymen for three reasons:

1. To keep posted on new and better developments, investigations and experiences.
2. To help explain conflicting ideas and suggestions.
3. To standardize practices.

Journals and magazines are usually the first to disseminate interesting and valuable information to specialists. The material is gleaned from many sources and from distant points so it is not surprising that occasionally conflicting opinions are published. Every nurseryman should receive regularly one or more journals dealing with his phase of horticulture.

The various State experiment stations, the United States Department of Agriculture, and some horticultural organizations publish bulletins and circulars that contain valuable information for nurserymen. These bulletins are often based on careful research and study, hence they are slower to get new information out but are usually very authentic or reliable. If conflicting information is found in such bulletins and circulars, it is usually because the research work was done under different environmental conditions. Nurserymen will find many valuable bulletins and circulars on the various phases of their work.

A nurseryman's library is not complete without books on plants, plant propagation, and plant handling. Books are the slowest of the three types of literature mentioned to get information to readers. Most authors sift reports, ideas, and conclusions very carefully before publishing them in book

THE NURSERYMAN'S LIBRARY
(continued)

form. Although they may not contain the latest "wrinkles" on various phases of nursery work, they are usually very authentic and do not get out of date very soon. The Nursery Manual, by L. H. Bailey, for example, was published in 1920 and is still a very valuable reference book.

The following bibliography is by no means complete but merely suggestive. It may serve in calling attention of nurserymen to some of the journals, bulletins, and books that would be valuable in their libraries:

Journals

- American Nurseryman,
American Nurseryman Pub. Co., 508 S. Dearborn St., Chicago, Illinois.
- Florists Exchange,
A. T. DeLaMare Co., 438-448 W. 37th St., New York City.
- Florists Review,
Florist Pub. Co., 508 S. Dearborn St., Chicago, Illinois.
- Horticulture,
Mass. Hort. Society, Horticultural Hall, Boston, Massachusetts.
- National Nurseryman,
Nat. Nurseryman Pub. Co., Hatboro, Pennsylvania.
- Southern Florist and Nurseryman,
Southern Florist Pub. Co., 120 St. Louis Ave., Fort Worth, Texas.

Bulletins

- Bates, C. G. The windbreak as a farm asset. U. S. Dept. Agr. Bul. 573. 1936.
- Comin, D. The common storage. Ohio Agr. Exper. Sta. Bul. 573. 1936.
- Corbett, L. C. The propagation of plants. U. S. Dept. Agr. Farmers' Bulletin 157. 1917.
- Deters, M. E., and Schmitz, H. Drouth damage to prairie shelter belts in Minnesota. Minn. Agr. Exper. Sta. Bul. 329. 1936.
- Miller, E. J., Neilson, J. A., and Bandemer, S. L. Wax emulsion for spraying nursery stock and other plant materials. Mich. Agr. Exper. Sta. Spec. Bul. 282. 1937.
- Hansen, N. E. The shrubs and climbing vines of South Dakota. So. Dak. Agr. Exper. Sta. Bul. 263. 1931.
- Johnson, E. W. Hardy trees and shrubs for western Kansas. Kans. Agr. Exper. Sta. Bul. 270. 1934.
- Rose, D. H., Wright, R. C., and Whitman, T. M. The commercial storage of fruits, vegetables, and florists' stocks. U. S. Dept. Agr. Circ. 278. 1934.
- Ware, E. R. Planting and care of trees in South Dakota. So. Dak. State Col. Ent. Circ. 356. 1936.
- Wyman, D., and Nixon, M. W. Electric hotbeds for propagating woody cuttings. Cornell Agr. Exper. Sta. Bul. 618. 1934.
- Yerkes, G. E. Propagation of trees and shrubs. U. S. Dept. Agr. Farmers' Bul. 1567. 1932.

THE NURSERYMAN'S LIBRARY
(continued)

Books

- Bailey, L. H. Standard cyclopedia of horticulture. New York, Macmillan co., 1914.
- The nursery manual. New York, Macmillan co., 1920.
- Manual of cultivated plants. New York, Macmillan co., 1924.
- Cultivated conifers of North America. New York, Macmillan co., 1933.
- Blakeslee, A. F., and Jarvis, C.D. Trees in winter, their study and identification. New York, Macmillan co., 1931.
- Coon, Nelson. Nursery sales and management. New York, A.T. DeLaMare co., 1931.
- Felt, E. P. Insects and diseases of ornamental trees and shrubs. New York, Macmillan co., 1932.
- Harlow, W. M., and Harrar, E. S. Text book of dendrology. New York, McGraw-Hill book co., 1937.
- Hottes, A. C. The book of shrubs. New York, A. T. DeLaMare co., 1931.
- The book of trees. New York, A. T. DeLaMare co., 1932.
- Plant propagation - 999 questions answered. New York, A. T. DeLaMare co., 1934.
- Kains, M. G. Plant propagation, greenhouse and nursery practice. New York, Orange Judd co., 1920.
- Laurie, A., and Chadwick, L. C. Modern nursery. New York, Macmillan co., 1931.
- Manning, J. W. The plant buyers' index. Duxbury, Mass., J. W. & E. G. Manning, 1931. (Suppl. 1934)
- Rehder, A. Manual of cultivated trees and shrubs hardy in North America. New York, Macmillan co., 1927.
- Sargent, C. S. Manual of the trees of North America. Boston, Houghton Mifflin co., 1933.
- Standardized plant names. New York, A. T. DeLaMare co., 1923.
- Stevens, F. L., and Hall, J. G. Diseases of economic plants. New York, Macmillan co., 1923.
- Surtees, John. Nursery cost finding. New York, A. T. DeLaMare co., 1936.
- Toumey, J. W. Seeding and planting in the practice of forestry. New York, John Wiley & sons, 1931.
- U. S. Dept. of Agriculture. Yearbook 1937.
- Waugh, F. A. Hardy shrubs. New York, Orange Judd co., 1928.

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THE ROLE OF THE LIBRARY IN ADULT EDUCATION

"The Role of the Library in Adult Education", just issued by the Chicago University Press, contains the principal papers given before the Institute on Adult Education for Librarians in Service, August 2-13, 1937, at the Graduate Library School of the University of Chicago. Through the Institute "an effort was made: (1) to indicate the increasing opportunities which libraries have of performing fundamentally educational service from which the nation can profit; (2) to formulate objectives which libraries should set as the goal of their efforts in this field; (3) to point out certain methods and experiments which seem to hold out possibilities of increasing the effectiveness of libraries; and (4) to indicate something of the significance of the library's contribution to the total adult education movement." The volume was edited by Dr. L. R. Wilson, Dean, of the Graduate Library School.



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ISSUED MONTHLY
BY THE
UNITED STATES DEPARTMENT OF AGRICULTURE LIBRARY
WASHINGTON
D. C.

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PRINCIPAL LIBRARY ACCESSIONS*

Agriculture

CRAWFORD, D. L. Hawaii's crop parade. Honolulu, Advertiser publishing co., 1937. 31.3 C85

Biography

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BULLETINS WANTED

The Office of Experiment Stations Library desires copies of the following publications to complete the set for binding.

- 1 copy. Western Washington Experiment Station Monthly Bulletin v. 1, no.1. Sept. 1913.
- 2 cops. Western Washington Experiment Station Monthly Bulletin v. 2, no. 11. Feb. 1915.

TRANSLATIONS RECEIVED IN THE LIBRARY

From American Potash Institute, Inc.:

ALTEN, F., and LOOFMANN, H. Die bestimmung der verfügbaren nährstoffmengen nach Neubauer im vergleich mit der chemischen bodenuntersuchung nach der methode der landwirtschaftlichen versuchsstation des deutschen kalisyndikats Berlin-Lichterfelde (The determination of available nutrients according to the Neubauer method in comparison with the chemical investigation of the soil according to the method of the Agricultural experiment station of the German potash syndicate at Berlin-Lichterfelde) Bodenk. u. Pflanzenernähr. 2: 198-211. 1937.

From North Carolina State College:

- EMERIQUE, L. Influence de déséquilibres minéraux du régime alimentaire sur la croissance du rat blanc et sa composition chimique (variations du potassium et du calcium) (Influence of inequilibrium in the alimentary diet in the growth and chemical composition of the white rat (variations in potassium and calcium) Bul. Soc. Chim. Biol. 15: 1221-1234. Nov. 1933. Translated by F. Tripp under the supervision of S. T. Ballenger, Assistant professor of modern languages.
- GARCIA, J. M. Informe preliminar sobre la explotación economica de 224 fincas de café en Puerto Rico durante el 1934 (Preliminary report upon the economic management of 224 coffee plantations in Puerto Rico during 1934) Puerto Rico. Agr. Expt. Sta., Rio Pedras. Circular no. 104. Aug. 1936. 27 p. Translated by L. P. Spitalnik under the supervision of S. T. Ballenger, Assistant professor of modern languages.
- PLANTEFOL, L. Physiologie végétale - sur les respiratoires: Oxydations intrinsèques et extrinsèques (Plant physiology - concerning respiratory oxidations: Internal and external oxidations) Compt. Rend. Acad. Sci. [Paris] 204: 370. Feb. 1, 1937. Translated by S. T. Ballenger, Assistant professor of modern languages.

From Soil Conservation Service:

- DE LA O. La erosión en la Cuenca Alta del Rio Atoyac, afluente del Balsas -- Algunas consideraciones sobre su hidrologia -- Necesidad de mejorar sus condiciones de escurrimiento (Erosion in the Upper Basin of the River Atoyac, tributary of the Balsas -- Some account of its hydrology - Necessity of improving its run-off conditions) Mexico. Comision nacional de irrigacion. Irrigacion en Mexico. 9(1): 3-30. July 1934. Translated by May Coult.
- FANTI, ARNALDO. La tecnica e la pratica delle bonificazioni (The technique and practice of reclamations) Milano, Ulrico Hoepli, 1915. 368 p. Translated by Albert Chiera.
- FERRARI, EGIDIO. Boschi e pascoli: storia, importanza idro-geologica ed economico-sociale (Woods and pastures) Milano, Ulrico Hoepli, 1914. 364 p. Translated by Albert Chiera.
- GOSLIN, H. Bioclimatologie et recherches agronomiques (Bioclimatology and agronomic researches) Ann. Agron. 7(5): 728-773. Sept./Oct. 1937. Translated by Albert Chiera.
- VIAPPIANI, ANTONIO. L'idraulica fluviale pratica, con esempi (practical fluvial hydraulics) Milano, Ulrico Hoepli, 1919. 331 p. Translated by Albert Chiera.

NOTES ON PERIODICALS

- Argentine Republic. Dirección de agricultura. División producción de granos. "Granos" semilla selecta. Boletim mensual. Rivadavia 933, Buenos Aires. mo. 4^o. no. 1, Oct. 1937. No price given.
- Argentine Republic. Dirección de agricultura. División de la producción tabacalera. Boletim tabacalero. Rivadavia 933, Buenos Aires. mo. 4^o. il. no. 1, June 1937. Free.
- Bacteriological reviews. The Williams & Wilkins company, Baltimore, Md. semi-an. 8^o. vol. 1, no. 1, Dec. 1937. \$4.00 a volume. (Free to subscribers to the Journal of Bacteriology)
- Canadian journal of comparative medicine. Gardenvale, Quebec, Canada. mo. 8^o. il. vol. 1, no. 1, Oct. 1937. No price given.
- Commission internationale d'agriculture. Der internationale getreidemarkt. Berlin. Changed to Confédération internationale de l'agriculture. Der internationale getreidemarkt, with Aug. 14, 1937.
- Commission internationale d'agriculture. Der internationale vieh- und fleischmarkt. Berlin. Changed to Confédération internationale de l'agriculture. Der internationale vieh und fleischmarkt, with Aug. 20, 1937.
- Farm chemurgic journal. National farm chemurgic council, Inc., Dearborn, Mich. Published at regular intervals at least 4 times a year. Later it is anticipated the journal will be published bi-monthly. 4^o. il. vol. 1, no. 1, Sept. 17, 1937. \$1.00 per copy.
- The journal kindly supplies the following: "Definition. Liberally translated, 'Farm Chemurgic' means putting Chemistry and related Sciences to work in Industry for the farmer and indirectly for society in general. 'Chemurgic' comes from the Egyptian word 'chemi' (origin of chemistry) and from the Greek word 'ergon', meaning work.
- "Pronunciation: 'Chemurgic' is pronounced with a hard 'K' with the accent on the second syllable."
- The Philadelphia zoo. Zoological society of Philadelphia, 34th and Girard Ave., Philadelphia, Pa. mo. 8^o. il. vol. 1, no. 1, Dec. 1937. 50 cents a year. Successor to Philadelphia. Zoological society. Bulletin.
- Propaganda analysis... Institute for propaganda analysis, inc., 132 Morning-side drive, New York, N. Y. mo. 4^o. vol. 1, no. 1, Oct. 1937.
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- Shenandoah nature journal. Luray, Va. Changed to Shenandoah with vol. 2, no. 1, autumn 1937.
- Sociedade brasileira de agronomia. Revista. 38-A, Praça 15 de Nov. 4^o. Edificio Cardoso, Rio de Janeiro. quar. 8^o. il. vol. 1, no. 1, Sept. 1937. Distribuição gratuita aos socios.
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- Standard remedies. Washington, D. C. Changed to Proprietary drugs with vol. 24, no. 1, Jan. 1938.
- The Wisconsin sportsman. The Wisconsin sportsman publishing company, 2004 Winnebago Street, Madison, Wisconsin. mo. f^o. il. vol. 1, no. 1, Aug. 1936. 24 issues, \$1.00; 12 issues, \$0.75.
- World petroleum. New York. Published monthly Nov.-Sept.; semi-monthly in Oct. f^o. il. vol. 9, no. 1, Jan. 1938. \$5.00 a year.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JANUARY 1938*

California

WILSON, J. F. Wool production and improvement of the clip in California. (Calif. Agr. Col. Ext. Circ. 106) Berkeley, 1937.
Revision of Circ. 12.

Colorado

Summary of extension work in Colorado, 1936. Colo. Agr. Col. Ext. [1937] Fort Collins.

Connecticut

MANN, A. I. Dairy farm primer. (Conn. State Col. Ext. Bul. 240) Storrs, 1937.
JONES, R. E. The Connecticut summer shelter [for poultry] (Conn. State Col. Agr. Ext. Bul. 241) Storrs, 1937.
Revision of Bul. 155.

MILES, G. A. 4-H vegetable gardens. (Conn. State Col. Ext. Bul. 242) Storrs, 1937.

WILKINSON, A. E. Hotbeds. (Conn. State Col. Ext. Bul. 243) Storrs, 1937.
Revision of Bul. 159.

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TALKS ON BOOKS AND READING ON FARM AND HOME
WEEK PROGRAM AT CORNELL UNIVERSITY.

The Program of the Thirty-First Annual Farm and Home Week of the New York State Colleges of Agriculture and Home Economics, February 14-19, 1938, included the following talks relating to books and reading. Unless otherwise indicated, all speakers are members of the staff of Cornell University:

- Books for young people. Mary Gould Davis, Columbia University.
 Biography, old and new. E. A. Tenney.
 The design, illustration and typography of books. Virginia True.
 Books and magazines on house planning and furnishing. Grace Morin.
 Choosing book friends for young children. Olive Woodruff.
 Recent fiction. Helen Bissell.
 How books are published and why. Frederic G. Melcher, Editor of Publishers' Weekly and President of R.R. Bowker Company.
 Books which will help the music lover to appreciate his radio and other musical programs. Paul J. Weaver.
 Contemporary poetry in America. W. C. DeVane.

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Bureau of agricultural economics. Library.

List of periodicals containing prices and other statistical and economic information on dairy products. Comp. by E. M. Colvin. Oct. 1937. 114 p. (Library. Agricultural economics bibliography. no. 71) Mimeographed. 1.9 Ec73A

Forest service.

Forest recreation: a bibliography. 1938. 129 p. Issued by the Forest Service Library. Mimeographed. 1.9 F763F

Pulp and paper industry in the southern states; selected references comp. by R. P. Lane. Atlanta, Ga., 1937. 9 p. Issued by the Southern region. Mimeographed. 1.9 F7669P

"Conserving Our Natural Resources" is the title of a timely and important list of recent publications which has just been issued by The American Association for the Advancement of Science with the cooperation of the Enoch Pratt Free Library of Baltimore.

This carefully selected and excellently printed pamphlet, which contains a brief digest of each of the publications listed, has been prepared by a distinguished committee of the Association consisting of:

- Dr. Joseph L. Wheeler (Chairman), Enoch Pratt Free Library of Baltimore
- Dr. Edward W. Berry, Johns Hopkins University, Baltimore
- Dr. Paul R. Hoyl, Bureau of Standards, Washington, D. C.
- Dr. Burton E. Livingston, Johns Hopkins University, Baltimore

Those desiring copies of this bibliography, should write to the office of the Permanent Secretary of the Association, Smithsonian Institution Building, Washington, D. C., stating the number desired.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during January, 1938, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Agricultural legislation as it affects the south and Georgia. Address by H. L. Brown at first annual meeting of the United Georgia farmers, Macon, Ga., Jan. 11, 1938. 11 p. 1.9 Ag8640

Address by Secretary of agriculture, Henry A. Wallace, at Jackson day dinner, Des Moines, Iowa, Jan. 8, 1938. 18 p. 1.9 Ag8636

The community of interest between labor, capital and agriculture. Address by Secretary of agriculture, Henry A. Wallace, before Community forum, Pittsburgh, Pa. Jan. 3, 1938. 16 p. 1.9 Ag8636

The farm trend. Radio address by H. L. Brown over Farm and home hour Dec. 29, 1937. 3 p. 1.9 Ag8640

The farmers' part in a living democracy. Part of a talk by M. L. Wilson at the annual Farm-Home week of the University of Minnesota in cooperation with the State farm bureau federation, St. Paul, Minn., Jan. 18, 1938. 17 p. 1.9 Ag8639

Land use in its relation to farm income and the general welfare. Address by H. L. Brown at annual meeting of Vermont state farm bureau, Burlington, Vt., Nov. 2, 1937. 9 p. 1.9 Ag8640

National parks and national forests; different forms of land use. An address delivered by M. L. Wilson before the conference on National parks called by the American planning and civic association, Jan. 20, 1938. Willard hotel, Washington, D. C. 9 p. 1.9 Ag8639

The place of timber farming in modern agriculture. Address by H. L. Brown before Forestry section, Association of southern agricultural workers, Atlanta, Ga., Feb. 3, 1938. 9 p. 1.9 Ag8640

Agricultural Adjustment Administration

Essentials in building a national agricultural policy. Address by H. R. Tolley at Kentucky farm and home convention, Lexington, Ky., Jan. 26, 1938. 19 p. 1.24 Ad472T

The other half of the farm problem. Address by L. H. Bean at a meeting of the Illinois agricultural association, Springfield, Ill., Jan. 23, 1938. 16 p. 1.42 Ad4Ad

*Bibliographies included in general list of bibliographies on page 103.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONSAgricultural Adjustment Administration
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A program for cotton. Address by I. W. Duggan, before the annual meeting of the Texas agricultural workers' association, Houston, Tex., Jan. 15, 1938. 11 p. 1.42 So8Co

The use of agricultural limestone under the revised 1938 agricultural conservation program. Address given by C. C. Farrington. At the annual convention of the National crushed stone association, Cincinnati, Ohio, Jan. 24, 1938. 14 p. 1.42 Ad4Ad

Bureau of Agricultural Economics

Driven-in receipts of livestock. 1937. Comp. under the direction of E. M. Jordan. Jan. 1938. 32 p. 1.9 Ec713Dr

The effects of trade barriers vs. constructive legislation; the national viewpoint. By W. A. Sherman. 1937. 5 p. Address, National association of marketing officials, New York City, Dec. 16, 1937. 1.9 Ec741Ef

Estimated monthly cotton marketings by farmers in percentage of year's sales. Crop years 1924-1936. Jan. 1938. 9 p. 1.9 Ec71Em

The general cotton situation. By M. R. Cooper. 1937. 14 p. Address, Annual agricultural conference of southwestern states, Texarkana, Ark., and Tex. Dec. 10, 1937. 1.9 Ec752Gc

How to grade barley (Class I) in brief, with special reference to malt barley. Jan. 1938. 11 p. In cooperation with U. S. Extension service. 1.9 Ec72Ho

Land classification for land use planning in the Great Lakes cut-over region as illustrated by Forest county, Wis., by W. F. Musbach. 1937. 24 p. (Land economics reports. no. 1) 1.9 Ec76Le

National problems and their effect on Connecticut agricultural living. By C. C. Taylor. 1937. 14 p. Address, Annual extension conference, Storrs, Conn., Dec. 16, 1937. 1.9 Ec763N

National standards for farm products. By C. W. Kitchen. Address, American National live stock association, Cheyenne, Wyo., Jan. 14, 1938. 9 p. 1.9 Ec7Ns

Quality of cotton ginned in Georgia, crops of 1928-36. By W. B. Lanham, F. H. Harper, and G. E. Miller. 1937. 68 p. In cooperation with Georgia agricultural experiment station. 1.9 Ec733Qg

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Bureau of Agricultural Economics
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Some foreign trade problems and policies relating to agriculture. By L. A. Wheeler. 1938. 12 p. Address, 11th Annual meeting of the Texas agricultural workers' association, Houston, Tex., Jan. 14-15, 1938. 1.9 Ec753So

Bureau of Biological Survey

Principles of breeding rabbits. By G. S. Templeton. 1938. 7 p. (Wildlife research and management leaflet BS-101.) (Issued by the section of fur resources, Division of wildlife research.) 1.9 B524W

Extension Service

An evaluation of some educational objectives of 4-H club work as expressed by 952 former club members now in college. By E. H. Shinn. Dec. 1937. 16 p. (Extension service circular 275) Issued by Division of cooperative extension. 1.9 Ex892Esc

Helping farm young people with their choices. By E. Merritt. Dec. 1937. 8 p. (Extension service circular 278) Issued by Division of cooperative extension. 1.9 Ex892Esc

Over a million 4-H club members; a review of 4-H club work in 1936. By C. E. Potter. Dec. 1937. 18 p. (Extension service circular 274) Issued by Division of cooperative extension. 1.9 Ex892Esc

A study of the possibilities for improved methods of determining and recording merit in sheep. By K. Jones. Nov. 1937. 33 p. (Extension service circular 272) Issued by Division of cooperative extension. 1.9 Ex892 Esc

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American woods: Elm. By H. S. Betts. Dec. 1937. 8 p. 1.9 F76Am

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Animal glues: their manufacture, testing and preparation. Revised Oct. 1937. Madison, 1937. 9 p. Issued by Forest products laboratory. 1.9 F761An

Forest statistics, Kootenai county, Idaho, from the inventory phase of the forest survey. 1937. 35 p. (Forest survey release. no. 9) Issued by Northern Rocky mountain forest and range experiment station. 1.9 F7628F

Old inner tubes used in low-cost fence post treatment. Madison, 1937. 2 p. Issued by Forest products laboratory. 1.9 F76101

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Preview of the findings of the forest survey in the lower south. New Orleans, 1938. 4 p. (Southern forestry notes. no. 20) Issued by Southern forest experiment station. 1.2 F7624S

Rigidity and strength of frame walls sheathed with fiberboard. By G. E. Heck. Madison, 1937. 10 p. Issued by Forest products laboratory. 1.9 F761Rig

Timber requirements for mines in the United States. By W. D. Brush. A progress report of the Forest survey. 1938. 29p. 1.9 F769T

Vegetable (starch) glue. By D. Brouse. Revised Oct. 1937. Madison, 1937. 12 p. Issued by Forest products laboratory. 1.9 F761V

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Milling and mararoni experiments with Durum wheats. 1932-1936. By C. C. Fifield and others. 1937. 24 p. 1.9 P6917Mim

Summary of uniform spring-wheat bunt nursery, 1937. By H. A. Rodenhiser and J. A. Clark. 1937. 2 p. 1.9 P6917Sum

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Recent developments in the study of the influence of windbreaks. 1937. 8 p. (Woodland section bulletin no. 10) Issued by Region 9, Rapid City, S. Dak. 1.9609 B87

Weather Bureau

Dr. John Lining - pioneer American meteorologist. Remarks by W. R. Gregg on the occasion of the unveiling of a tablet to Dr. John Lining, Charleston, S. C., Jan. 11, 1938. 3 p. 1.9 W37Add

FAMILY LIFE IN FARM FICTION

By Caroline B. Sherman,

Bureau of Agricultural Economics, U. S. Department of Agriculture

Family relationships have an important part in rural fiction. We naturally think of the country as being the habitat of homes. Our novelists faithfully reflect that impression. Then the relative detachment in which the usual farm family lives encourages the interplay of character within the family. This makes it easier to study the reactions of one member to another, or to family life in general. Rural fiction in America has given us notable pictures of family life. Scene after scene flashes before the mind's eye as vividly as though remembered from real life.

Childhood on the farm is glimpsed again and again - Shining Hours, Mary Meek Atkeson calls it in her book of that name. And who can forget that eager group of My Antonia's many children, in Willa Cather's book with that title, when they were showing the eastern visitor around their western farm? They seemed fairly to tumble over each other in number, and in shy enthusiasm. The relationship of children to elders is a definite theme in some of the books. In Bess Streeter Aldrich's Nebraska story, Spring Cameon Forever, we see Amalia in her daily companionship with her little son, then later see her doing the same things and saying the same thoughts to her little grandson, and finally as a greatgrandmother we see her following much the same program with her little greatgrandson and frequently calling him inadvertently by the name of his father or grandfather.

Then as the farm children grow up the relationship possibilities expand tremendously. The give-and-take of typical brothers and sisters as they grow up on a farm together, some liking it and each other, some wanting to escape, is well shown in Gladys Carroll's New England story As the Earth Turns. There we have that well-known combination of the oldest daughter who is sister, mother, housemaid, and housewife all in one. The give-and-take of farm family life in more sordid guise is in Ruth Suckow's Iowa story Country People, but even there a chapter comes along called "Loosening Up", when father consents to a car, and a new dress now and then. Finally the old folks retire to the town. Mother likes it -- she relaxes and becomes sociable -- but father is lost and lonely.

Books that give the dark side of farm family life involving tyranny and rebellion are not hard to find, as in the prizewinners Straw in the Wind by Ruth Dodson and Wild Geese by Martha Ostenso and most of the others by Miss Ostenso. Some of the stories of Helen R. Martin dealing with Pennsylvania fall in this group.

Farm-life fiction rather generally indicates that poverty and hard times are not necessarily the cause of family oppressions. There are many novels that show the strength of a family tie that resists all stresses and strains. With sympathetic perception Josephine Johnson traces the varying relationships and reactions under severe pressures, from both within and without, in her prize-winning story laid in Missouri, Now in November. In

FAMILY LIFE IN FARM FICTION
(continued)

Edwin Lanham's book The Wind Blew West, the desperately poor and tragically unfortunate farm family, that migrates from Arkansas to a promoted community in Texas, shows the most appealing though silent devotion between all of its members through all of the misfortunes. The forerunner of the many books on tenancy, and the best written of them all, Time of Man by Elizabeth Madox Roberts, reveals similar and usually unspoken devotions throughout hardships.

The Jalna family come to us in Canadian novels to be sure, but a discussion of families in fiction cannot fail to mention that amazing, unpredictable, quarrelsome, yet absurdly loyal and clannish large family, the Whiteoaks of Jalna, who have now occupied a whole series of Jalna books by Mazo de la Roche.

The latest book by Esther Forbes goes back to our earliest farm days in America. It paints a vivid picture of the development of Paradise, a great rude but baronial rural estate outside the Massachusetts Bay Colony, where the strong family life involves all the aspects of a little community within itself, with jealousies, loyalties, antagonisms, affiliations, all intensified by isolation, danger, and development.

Strong attachments between certain members of the family are well depicted. In Willa Cather's O Pioneers, there is a fine story of the bond between older sister and younger brother. "Father had a hard fight here, didn't he?" the boy mused thoughtfully in a long quiet evening they were spending together, he on the sofa, she with his mending. "Yes, and he died in a dark time. Still, he had hope. He believed in the land." "And in you, I guess", the boy said to himself. Notice that to himself, for no farm boy is likely to pay very open tribute to his sister no matter how much he loves her and admires her strength of character.

Personality problems spring up like weeds when the adults in a family, once separated, try to live again under one roof. The depression brings all the married sons and their families back to The Home Place (by Dorothy Thomas) and brings many problems other than financial in the wake.

The same books that deal with rebellion against tyranny in the household usually have in them the overburdened and unappreciated farm wife. At one time she was a frequenter of rural novels. A few years ago in Hundred Maples by Mrs. Elaine Goodale Eastman, the educated and rather fragile wife and mother rebelled, after her son lost his life there, and deserted the farm taking the remaining child with her. But even across the continent she found the tie could not be wholly dissolved. Returning, she worked with her husband to find a compromise that would make farm life not only endurable but adequate.

In other rural books the husband and wife are true helpmates, working as equal partners in a family-building enterprise. Dorothy Scarborough's Can't Get a Red Bird, John Frederick's Green Bush, and Cornelia James Cannon's

FAMILY LIFE IN FARM FICTION
(continued)

Red Rust are examples. In a few, the farm woman is the leading character, as in Willa Cather's My Antonia and in Ellen Glasgow's Barren Ground. In this last book we find, too, the unusual strong bond that grows up between Dorinda and her crippled stepson. Long and devoted work on the land is bringing its rewards, but all the others have gone, and John Abner fails to marry the girl he wants. Dorinda tells him that he and she will find many compensations as they grow old together with the land and by the fireside. "Well, you're a big woman, Dorinda", says John Abner, "even if you are trying at times. There's an extra dimension in you somewhere."

Old age on the farm with its limitations and compensations is revealed in glimpses, at least, in Spring Came on Forever, and in The Old Ashburn Place by Margaret Flint. And in Vein of Iron by Ellen Glasgow the last day's strength of the old father is used in one great and lonely effort to get back to the farm in the Shenandoah Valley.

Even the hired hands, men and women, and the part they have in many a farm home, are found in American fiction. In Barren Ground Dorinda had early prophesied that her colored maid would be a comfort to her, and the prophecy was completely fulfilled. The relationship between the two women outgrew the slender tie of mistress and maid. An affection grew between them that was "as strong and elastic as the bond that holds relatives together. They knew each other's daily lives; they shared the one absorbing interest in the farm; they trusted each other without reserve."

In My Antonia, Miss Cather devotes a whole chapter to the hired girls of the farms and another to the hired men. Then there is that memorable snowbound Christmas scene. The eastern mail could not come nor could the family get to town for supplies. But the grandparents contributed treasures from former days in Virginia, and from the bottom of old suitcases and trunks the immigrant hired hands, practically members of the family, brought bits of wood carving and foreign mementoes of a half-forgotten religious youth. The Christmas tree "became the talking tree of the fairy tale; legend and stories nestled like birds in its branches. Grandmother said it reminded her of the Tree of Knowledge." And at family prayers on Christmas morning Grandfather prayed for the poor and the destitute in great cities, where the struggle for life was harder than in the country.

That was in the days when the pioneers were beginning to come into their own. During the recent years of depression, drought, and dust storms, even philosophical Grandfather might not so believe. In The Tree Falls South, Wellington Roe shows that these disasters, plus a harsh attitude of the towns smashed one united family life on one typical farm of the dust bowl.

These are only a few examples, but they do suggest that American rural fiction well reflects the many-sided aspects of farm family life, involving all ages, in nearly all eras, and in most areas as well.

THE EXTENSION OF SCIENTIFIC DOCUMENTATION BY A MORE RATIONAL
UTILIZATION OF PERIODICALS.

By L. Bultingaire,

Bibliothécaire en Chef honoraire du Muséum national d'histoire naturelle.

(Translated with the author's permission from Revue Scientifique for
December 15, 1937)

Among the bibliographical events which in the course of the 19th century have exercised an influence upon the working conditions of men of science, there is none which has an importance equal to the decision made in 1858 by the Royal Society of London to undertake a great publication which would enumerate in alphabetical order by names of authors all the scientific articles published in the periodical press as well as in the publications of learned societies, since the beginning of the century up to 1863. To be sure, this enterprise had predecessors. Reuss had attempted it in the epoch before 1800, Agassiz and, after him, Carus and Engelmann(1) had published indexes of great value but limited to certain restricted fields of science.

What was truly new in the project of the Royal Society was that it excluded no sciences and none of their applications. Nor were studies having a purely technical or professional character eliminated. The first volume of the Catalogue of Scientific Papers appeared in 1867 and workers thereafter possessed a repertoire which enabled them to find, with very exact bibliographical references, all the articles written in the first part of the 19th century. Encouraged by the success as well as by the moral support of the corps of scholars of the entire world, the Royal Society continued its efforts and in the successive series of its catalogue, brought together the references up to the end of the 19th century. The last volume of the last series covering the years 1884 to 1900, the publication of which was retarded by the war, appeared in 1925.

According to the project as originally planned, this catalogue was to be completed by indexes of subjects to the number of 17, corresponding to the 17 large divisions into which the manifestations of scientific activity are divided. Unhappily, even though the subject indexes devoted to the letters A, B and C, that is, to Mathematics, Mechanics, and Physics, appeared between 1908 and 1914, we must now consider that the project of making indexes of the same kind for the other 14 sciences has been given up.

In spite of having abandoned the project, the Royal Society can feel proud of its work and can be sure that if it had wished to continue it for the following years, it would have enjoyed the same approbation and the same encouragement. Feeling, however, that such an enterprise exceeded the bibliographical powers of a single nation it passed on the torch to a new international organization, established with the definite collaboration of different countries. The International Catalogue of Scientific Literature preserved the division into 17 sciences, adopted for the indexes of subjects of the Catalogue of Scientific Papers, and decided to publish for each of the 17 sciences an annual volume in which the periodical articles

(1) The Bibliotheca Zoologica of the last named author appeared, in reality, in 1861.

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(continued)

and also the separate works and publications of all kinds would be enumerated first in classified arrangement and then in alphabetical order by the names of authors. The entire output of a given year, promptly compiled and still more promptly printed, would thus be brought to the attention of scientific workers giving them no reason to be ignorant of what any particular author had published during the year in question nor what had been written upon any particular question during the same period. Unfortunately the public at large had had hardly sufficient time to familiarize itself with these new catalogues before the events of the year 1914 brought to an end the peaceful collaboration which had made possible their realization.

The 238 volumes which remain from this great effort are sufficient to give proof of the results obtained and of those which might have been obtained if this effort had been continued.

The spirit which had animated these two large enterprises of which we have just spoken was not, however, completely lost. The scientific world had become too accustomed to rely in its work on this kind of documentation not to have the needs of the public satisfied more or less in one form or other. Only, in contrast to what had existed during the preceding period, today each nation, according to its particular turn of mind or according to the resources which it possesses, concentrates its efforts upon this or that part of bibliography. Though not giving up completely all bibliographical research in the medical world, all the nations concede a kind of supremacy to America, whose Index Catalogue and Index Medicus cannot be disregarded by any medical library, institute or laboratory. All those who pursue zoological studies feel gratitude to the English for continuing in their Zoological Record the same plan followed in part N of the International Catalogue. All recognize the merits of the Gesamtregister des Chemischen Centralblattes, the German index devoted to chemistry. Certain bibliographies have appeared in large bound volumes of fine appearance. Others much smaller have found refuge in the supplements of a review devoted to its particular specialty. We can say that provided he knows how to find his way among retrospective and current bibliographies, among national or regional bibliographies, and specialized bibliographies, the scientific worker finds easily enough the notices of work which has been done on the subject which interests him, with exact bibliographical reference.

These scientific workers now have however other unreasonable requirements. They are astonished that institutions which are called libraries are not able to furnish without limit all the works and especially all the periodicals to which the bibliographies they have at hand have directed them. They do not consider, evidently, that the number of periodicals, to speak only of those which are current, is so large that no library however large or rich can hope to possess more than a small part. The only way to find the periodicals needed was to make the rounds of the libraries of the city in which one resided or to write to libraries more or less distant to find out whether they contained the periodical in question. But how much time was lost by searchers who had to go from one library to another or carry on a tedious correspondence.

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This situation had existed moreover for a long time, not only in France but in foreign countries, and those who were engaged in scientific work or who were living in the midst of young students were not unmindful of it. It was in an attempt to remedy this situation that there was started at about the same time in different countries, especially in France, in England and the United States, a plan for publishing collective catalogs of periodicals, that is catalogs which enumerated, in the case of each of the periodicals included, the libraries of the city, country, or region which possessed them as a whole or in part. How much time was saved after that for workers for whom a brief consultation of the catalog was sufficient to tell them where to direct their steps or their written requests! The first of these catalogs to see the light of day was the "Inventaire des periodiques scientifique des bibliothèques de Paris". It was started on the initiative of M. Alfred LaCroix, permanent secretary of the Academie des Sciences, and appeared under the auspices of that institution.

The task has not been easy. It was necessary in the beginning to obtain from a hundred libraries, variously administered, those which were willing to give the details of their possessions. But even if some of them had catalogues on cards or in bound form, or had printed more or less recently the catalogues of their periodicals, the most of them were able to give only the title of the periodical since it had only been necessary for the librarian in order to satisfy the demand of a reader, to send an employee to the stacks to see if the year requested was there or not. What could one say to libraries who were expecting that unforeseen aid or a miracle would make it possible to get from the attics or the caves collections, often of great value, which had not been accessible to any reader. Even if the simple announcement of a forthcoming publication of a collective inventory had only pointed out the gaps of our organization, shown the indispensable character of certain methods, stimulated the necessary good will of librarians, it would have rendered, if it had done nothing else, an outstanding service to the public.

Another difficulty was to mould into one list the references from various sources which were furnished for the collective inventory. It will be apparent that it was not possible to enter these very often in the form in which they were furnished by the libraries. Some, in fact, were content to copy them from catalogues poorly prepared in which the titles of the periodicals were abbreviated or shortened, sometimes even ingeniously translated into French instead of giving the titles in the original languages. It was important in bringing together the multiple references to pass upon each bit of information before noting it. To be really accurate in all its parts, the work would have required a very long time and the collaboration of numerous persons. M. Alfred LaCroix, feeling that it was important to hasten the work and to put into the hands of intellectual workers as rapidly as possible an instrument impatiently awaited, deliberately decided to forego entering in the catalogue only the periodicals for which detailed research would have been necessary to determine exactly the successive titles with the years of beginning and

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the end of each series. Rather than to indicate the existence in a library of a periodical which was of evident interest, he trusted in the library in certain cases by giving the title in the form in which it had been communicated. This method of procedure led inevitably to some errors but it was definitely explained that the right was reserved of making corrections in later supplements and for making these corrections the collaboration was counted upon of those users in the interest of which the work had been printed. In 1924 there appeared the first volume of the "Inventaire des periodiques scientifique des bibliotheques de Paris", which listed all of the periodicals with titles commencing with the letters A and B. At the end of 1925 the entire work was printed and it was completed by a subject index and also by geographical index which enumerated in the order of the country and for each city the organizations which published periodicals with an indication of the number of the periodical in the body of the catalogue.

It was not until some years later, however, in 1927 to be exact, that there appeared in England and in America analogous works which, profiting by our experience and possessing greater resources had issued before the definitive editions provisory or preliminary checklists in which the periodicals were simply enumerated without any indication as to the libraries having them. The opportunity was thus offered to libraries, instead of sending separate lists of their holdings, of indicating what they possessed of each periodical whose title was included in the checklists.

In England the World List of Scientific Periodicals published in the years 1900 to 1921 is like the Paris "Inventaire" a catalogue of scientific periodicals but instead of limiting its investigations to the capital has extended them to the principal cities of England, Scotland and Ireland. On the other hand, being chiefly mindful of today's problems, this list is limited to periodicals which were appearing in 1900 and to those also which began to appear after that date. It does not attempt to be a bibliography of each periodical and does not give the date of the beginning of the periodical except as this information is furnished by the libraries themselves in the entries for their holdings. It should be noted that in this catalogue each title is followed by its abbreviation, which is a very interesting attempt at the normalization of abbreviation. The attempt is particularly interesting because the list contains not less than 24,000 periodicals. This number, in which are included only periodicals current in 1900 or started since that date and only periodicals in English libraries, will give an idea of the very large number of periodicals which a collective catalogue of all scientific periodicals would have to list.

The "Union List of Serials in Libraries in the United States and Canada" is a work of incomparably greater scope than its predecessors since it includes periodicals of all nations, of every epoch, and on all subjects. As its title indicates, this list is not limited to the numerous libraries of the United States. It includes likewise the more important libraries of the Dominion of Canada. In spite of the wide scope of the references which it gives and the diversity of the subjects to which it applies, the

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(continued) . . .

American list has an unquestioned usefulness for scientists because it is not only a catalogue of periodicals but also a bibliography. It attempts in fact, in so far as possible, to give for each of the periodicals enumerated, the successive titles with the date of beginning and the end of each series as well as the number of volumes which each of them contains; it is truly the model for a national catalogue of periodicals which each country, with cultural interests, ought to have the ambition to possess.

Following the publication of the three lists to which we have called attention, there was a veritable blossoming of union lists in different foreign countries as well as in France and it still continues to manifest itself. These appeared about the same time in Italy, in Switzerland, and in Belgium, some limited to certain sciences, others covering all kinds of knowledge. Germany, country of the Gesamtkatalog, has published for some years the catalogue of the foreign periodicals belonging to the libraries of that country. It is preparing to do the same for the purely German periodicals which are held by the same libraries. In France, there appeared a little after the "Inventaire", published under the auspices of the Académie des Sciences, catalogues devoted to a certain specialty such as that of Ungebaum, which is limited to the Slavic periodicals in Parisian libraries. Strasburg has just given us the very important catalogue edited by Mme. Kuhlmann which includes all the periodicals in the possession of the numerous libraries of a city so well situated to be the intermediary between France and Germany. At Bordeaux Dr. André Hahn has reprinted the catalogue of the University Library published in 1915 to 1917 but has transformed it into a union catalogue which includes not less than seventeen distinct depositories dependent upon either the university or the city. Other cities are preparing to follow the example of Strasburg and Bordeaux.

Finally it is important to mention two great French bibliographical enterprises which will no doubt come to realization in a few years. The first is the union catalogue of periodicals in the university libraries of all of France. One existed to be sure in 1918 but it did not contain the periodicals possessed by the university libraries, generally called provincial, and disregarded the numerous organizations, such as the institutes, clinics, laboratories, museums and botanic gardens which were attached to these universities, and which are very much alive, very active and more modern than the university libraries themselves. Under the stimulus of the library of the Sorbonne, which has taken the initiative, in the reform and has chosen as the basis of the catalogue its own collections, a catalogue including all the periodical resources of eighteen universities and their branches is in preparation and will certainly be welcomed by the public.

Another enterprise, equally rich in promise is that which is being carried on under the aegis of the Fédération des Sciences de l'Homme. Without attempting to include exactly all the periodicals which the "Inventaire" of the Académie des Sciences has intentionally omitted, as not bearing upon its domain, it proposes to make an analogous work for the

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periodicals devoted to history, to philosophy, to philology, to literature and in general to all the subjects which among us are generally included in the instruction of the faculties of letters and of law rather than in those of other faculties and special schools. Scientists without doubt will find it profitable to consult this catalogue also in all those parts which touch upon the frontiers of science and letters.

This multiplication of union catalogues is an exemplification in part of the great interest which public institutions and administrative authorities have taken in the establishment of these catalogues. It has been facilitated also by the collaboration of those who, asking nothing but that they be employed, are called the intellectual unemployed and by the offer made by the state of remunerating them. This innovation certainly will mark a date in the history of bibliographical enterprises. The fact is not ignored that the subsidies accorded to this kind of enterprises by the state, learned societies or wealthy individuals have been as a rule very parsimonious. They have scarcely been sufficient in a majority of cases to cover the cost of printing which as is well known is always on the ascending curve. For the work of those who are properly called bibliographers, it was taken for granted that it could only be voluntary, if some public enterprise was to be set on foot and if an appeal was made for volunteers, who happily have never been wanting in France, whenever works of evident national interest have been proposed. However, the system, it should be realized, rests upon weak foundations and the assignment to this kind of work of collaborators for whose remuneration the state takes charge merely increases the chances of bringing the work to realization. At the very most, it could be said that this state aid has been so unlooked for that bibliographical organizations in general have not had sufficient time to prepare for it so as to get the best results and that the results, while considerable, will not be commensurate with the sacrifices made.

The least that one should expect in every case is that such aid should continue for a long time in order that all that has been undertaken may be carried to a satisfactory ending. The history of bibliographical enterprises one must recognize, if one stops to think about them, is in general the history of enterprises conceived in enthusiasm but more or less quickly miscarried, the history of a torch which is passed on to other hands only to be extinguished. Among these we have given striking examples in the indexes of the Catalogue of Scientific Papers and the seventeen parts of the International Catalogue of Scientific Literature. We could give others. Only perhaps the permanent aid of the state, with continued and increased grants, subjected if you wish to a strict control which would make it impossible for them to be transformed into sinecures to the profit of the incumbents, is it possible to carry on these bibliographical enterprises which are unable to retain the services of those who carry them on with a prospect of gain or of honors but which once completed would have for the mass of the public an evident value.

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Let us suppose that these two questions, that of retrospective and current bibliographies for all the sciences without exception and that of union catalogues of libraries both for separate works and for periodicals, have been solved in the sense that we have indicated. Is there still something else called for to give to intellectual workers all of the facilities which they need in order that they may be provided with a perfect documentation? Certainly yes, because it is still necessary to take steps to render more accessible the use itself of all the collections held by libraries.

It is true that if all the conditions previously described have been fulfilled the situation of the worker who lives in an important intellectual center and who has sufficient time at his disposal in the course of the day's work would leave nothing more to be desired. The situation is certainly not the same for the one who, for professional or other reasons, is only able to devote to his research work a part of his waking hours or for the one who resides at greater or less distance from the great intellectual centers.

Even though a certain number of libraries regularly lend their books for home use, even though there has been organized with certain success interlibrary loans between French and foreign libraries, even though the state has interested itself to a certain extent in these operations by offering to participate in the cost of the transportation of the volumes, it still is more or less true that the loan of a library's books has certain limits determined by the rights, also worthy of respect, of those readers who regularly frequent the library and determined also by good sense. Every work lent for a long or short period to an outside reader ceases to be at the disposal of those who have need to consult it immediately for the passages which interest them. Must it also be taken for granted that an establishment which has assumed the heavy expense of the cost of a subscription for a periodical, in the special interest of its ordinary clientele, should be obliged to deprive itself in order to put it at the disposal of the personnel of another establishment which had felt obliged to economize on this same subscription?

The remedy for this situation would seem to be the organization of libraries reserved exclusively for loan, or still better, the putting at the disposal of certain special libraries of sufficient resources to enable them to purchase duplicates of every work of recognized value and coming within their particular field and also to enable them to subscribe within limits for two copies of every periodical the study of which would interest particularly their ordinary clientele of readers and borrowers. Of these two copies the one clearly should not under any pretext be taken from the stacks or the lecture hall, the other ought to be put at the disposal of outside readers to whom it should be lent in the order of request and for a limited time. Thus would be solved in a logical fashion the controversial question regarding the loan of books outside of libraries.

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It would be important also not to neglect an aid which recent progress in photographic technic has placed at the disposal of libraries. I speak of the direct photographing of a document upon paper which today can be obtained so quickly and at such small cost. In a certain number of subjects, and in the natural sciences in particular, it is very rarely that a reader has to read an entire volume or even to glance over rapidly the chapters. More often he is interested only in certain pages, sometimes only in a few lines, to which the bibliographies in his field of study have directed his attention. The rest is without interest to him and he thus curtails with profit to no one the use of a varied and rich collection which ought to be useful to others.

If one stops to consider on the one side the expense in money (appreciable even if it is charged to the state) and the loss of time involved in sending and returning a volume, in wrapping and forwarding it, and on the other side the simplicity of an operation which consists of reproducing the text of a volume withdrawn for a few minutes from the stacks, one must ask why libraries have not oftener had recourse to the latter procedure. The time is certainly not far distant when all the libraries which receive frequent requests from borrowers will have at their disposal the apparatus permitting them to decrease their interlibrary loans which are carried on with inconvenience and not without danger.

One can see from this what profound modifications are gradually being introduced into the methods of documentation. The scholar of former times worked in the midst of books, greater or less in number, but these were his own personal property. In order to compare his ideas with those of others, to extend the field of his researches, he carried on learned discourse with confreres devoted to the same studies or he carried on a correspondence written in a careful style with which all historians of science are well acquainted. The scholar of today has to deal only with a mass of books which would constitute, whatever effort he might make to possess them, only a small part of the current output. He knows, moreover, that all the books of numerous libraries are at his disposal. He has an idea of their contents from the bibliographies. He knows exactly where he is able to find them, thanks to union catalogues of libraries. If the text which interests him is at some distance it is not necessary for him to travel to it or to have the volume sent to him, a good photographic copy will give him exactly the same service.

Without doubt we are anticipating the future somewhat and the actual situation is not exactly that which we have painted. The necessary materials for the building of the monument which we have raised nevertheless is at hand. It is only necessary to persevere in the effort in order to realize that which one may call in the vocabulary fashionable today, the democratization of documentation.

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- Seventh World's Poultry Congress and Exposition. Cleveland, Ohio, July 28-August 7, 1930. Secretary General: W. D. Termohlen, Agricultural Adjustment Administration, U. S. Department of Agriculture, Washington, D. C.
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- Sixteenth International Housing and Town Planning Congress, Mexico City. August 13-27, 1938. Executive Committee in Mexico: Carlos Contreras, José A. Cuevas, Carlos Tarditi, Ramos Arizpe No. 1, Mexico, D. F.

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"This bibliography at first was an attempt to bring up to date the compilation of Crop and market reports in the United States; history and present status, done by Marguerite McDonald in 1929.

As it stands now, the present effort has not followed entirely the same lines. The larger part of Miss McDonald's entries have been incorporated in the bibliography, and reannotated, in the light of recent developments. Additional material published before 1929 has been discovered and included.

No attempt has been made to include or enlarge upon the earlier bibliography's selection of crop reporting material, either that available from federal and state agricultural agencies or that published by private services, periodicals, and daily papers. The compiler has felt that this field was entirely too vast to enter under the time limit set for this work. Miss McDonald's bibliography may be referred to for a representative selection, especially of government materials."

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NEBRASKA READING PROJECT

By Mary-Ellen Brown, State Extension Leader in Women's Work,
College of Agriculture, University of Nebraska.

The Home Demonstration Project clubs in Nebraska are "reading for facts and for fun." Why? Because they have adopted the unique reading plan presented by the Agricultural Extension Service. This plan is carried out by the project clubs in addition to their regular demonstrations.

Briefly, this is the idea. At the beginning of the year each club elects a reading leader who during the summer attends a Leaders' Training Meeting. Here the plan is explained and the leader receives the reading lists for her club members.

There are six different reading lists designated as Series A, B, C, D, E or F. Each list consists of forty books. The books are divided into the same general subjects on each list. They include home economics and related subjects, biography, travel, history, social science, fiction, and children's books.

All of the members of one club use lists from the same series, but other clubs in the county use the other series. This is done so the libraries can take care of the requests to better advantage. Each member selects and reads a minimum of six books from any three groups of subjects, checks all books previously read, and records the new books as she reads them each month. Additional space on the circular provides for titles of other books read during the year, suggested books to be added to the reading lists, and the magazines regularly and occasionally read. Books may be obtained from a nearby public library or the Nebraska Public Library Commission. The libraries of the state are cooperating with this project.

A series of book reviews arranged for the summer meetings are encouraged. Not only much enjoyment but also much information can be gained by discussing the books "over the tea cups" following their regular project club meetings.

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Report on outbreaks of infectious equine encephalomyelitis in the United States, 1935-1937. J. R. Mohler, Chief of bureau. Issued Jan. 26, 1938. 4 p. 1.9 An5Rep

Bureau of Biological Survey

Facts about snakes. 1938. 9 p. (Wildlife research and management leaflet BS-103) Issued by the Section of food habits, Division of wildlife research. 1.9 B524W

The hows and whys of making annual waterfowl shooting regulations, by I. N. Gabrielson. Speech made at Baltimore, Md., Feb. 16, 1938. 10 p. 1.9 B52A

Salt requirements of rabbits. By G. S. Templeton. 1938. 1 p. (Wildlife research and management leaflet BS-102) Issued by the Section of fur resources, Division of wildlife research. 1.9 B524W

The status of wildlife research: 1937. By W. L. McAtee. 1938. 30 p. (Wildlife research and management leaflet BS-104) Issued by the Office of the Chief. 1.9 B524W

Bureau of Chemistry and Soils

Information on industrial alcohol. By W. W. Skinner. Issued 1922. Rev. Jan. 1938 by P. B. Jacobs. 18 p. (MC-22) 1.9 C42Iai

Information on preservation of sweet cider. 2 p. Issued Dec. 1937. (MC-23) Issued by Food research division. 1.9 C4925Inf

Bureau of Dairy Industry

Associations of breeders of purebred dairy cattle. Feb. 1938. 1 p. (BDIM-406) 1.9 D14As

Dairy farm records. By J. B. Bain. 1938. 5 p. Address before Association of Southern agricultural workers, Atlanta, Ga., Feb. 2, 1938. 1.9 D14Bd (BDIM-791)

Extension Service

Professional improvement for extension workers. By Mary Rokahr. 1938. 9 p. (Extension service circular no. 279) 1.9 Ex892Esc

Food and Drug Administration

Directory of state feed officials. Comp. by W. S. Frisbie. Mar. 1938. 2 p. 1.9 C464Dfe

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Forest Service

Community forests. 1937. 17 p. Issued by Division of state and private forestry. 1.9 F7681Co

Sawtimber and cordwood volumes in North Georgia. A progress report by the southern forest survey. 1938. 8 p. (Forest survey release no. 30) Issued by Southern forest experiment station, New Orleans, La. 1.9 F7624F

Bureau of Home Economics

Patterns for children's clothing. Rev. Feb. 1938. 5 p. 1.9 H754Pa

Bureau of Plant Industry

Comparison of winter wheat varieties grown in cooperative plot and nursery experiments in the hard red winter wheat region in 1937. Lincoln, Nebr., Feb. 1938. 63 p. Issued by Division of cereal crops and diseases. 1.9 P6917Co

Report of the Fifth hard spring wheat conference and results of spring wheat varieties grown in cooperative plot and nursery experiments in the spring wheat region in 1937, with averages for 1929 to 1937. Feb. 5, 1938. 41p. Issued by Division of cereal crops and diseases. 1.9 P6917Rs

Bureau of Public Roads

An action program to advance safety on the highways. Paper presented by T. H. MacDonald at 35th Annual convention of American road builders' association. Cleveland, Ohio, Jan. 17, 1931. 10 p. 1.9 R53Ad

Progress in fact finding highway planning surveys. Paper presented at 35th Annual convention of American road builders' association, Cleveland, by M. E. Hilts. Jan. 20, 1938. 15 p. 1.9 R53Pf

Soil Conservation Service

Unmaking a continent. By H. H. Bennett. 1938. 18 p. (MP-19) Address before Brooklyn institute of arts and sciences, Brooklyn academy of music, Apr. 22, 1937. 1.96 Ad62

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WORK OF THE LIBRARY OF THE NEW YORK STATE COLLEGE OF HOME ECONOMICS
AT CORNELL UNIVERSITY*

"During the past year, 30,691 books have been drawn from the library, an increase of 5240 over the preceding year. Accessions number 594, bringing the total of books in the regular collection to 7212. The periodicals received now number 175, of which 152 are domestic and 23 are foreign. A total of 78 volumes of periodicals have been bound during the year...

"In addition to the circulation of the regular library books, a special collection has been in constant use. This consists of current books, chiefly fiction, which make up the recreational, or loan, shelf. This loan shelf was started a few years ago with about 20 or 30 volumes lent by members of the faculty. It has now increased to 288 books, which were drawn 1441 times during the year. The faculty of the College has continued to make loans and gifts to this shelf. In addition, Professor F. M. Smith, of the English Department of the College of Arts and Sciences, has presented a number of books; and departments have contributed \$30, an amount which has made possible the buying of one new book a month throughout the year. Now an integral part of the library, the loan shelf contributes richly to the life of the students, who turn more and more frequently to it in their recreational hours.

"Stimulated, no doubt, by the use of these books, members of the Home Economics Club started a fireside reading group which is open to all university students. (This is described in the last paragraph)

"The cataloguing of reprints and bulletins and the mending of books have gone practically undone again this year, owing to lack of assistance. A full-time assistant has been added to the staff for 1937-38, which will make it possible to accomplish some of this much-needed work. An increasing amount of time is being devoted to individual students, in order to guide them in the use of files and reference material and to discuss with them the philosophy of reading.

"Formerly, the closing daytime hour of the library was five o'clock on every weekday except Saturday, when the closing time was one o'clock. Last spring, funds were made available to keep open until six o'clock every week-day, including Saturday. The library is not open on Sunday. Assistance was obtained from five NYA students at the beginning of the year, but, owing to lack of funds, two of these were withdrawn in January. Of the remaining three, one devoted her time exclusively to evening work.

"Again this year the library participated in Farm and Home Week through various exhibits set up in room 117. Mrs. N. E. Keeney, of North Lansing, and her daughter, a senior in home economics, exhibited a rare collection of old books, including some first editions put out by early publishing houses of Ithaca. Katherine Reeves, of the Department of Family Life, lent her choice collection of children's books; and Roland Malhauser, Tompkins County traveling librarian and chairman of the County and Regional Libraries of the New York Library Association, staged an extensive demonstration of what is being done in rural communities to get library service to the people. Another exhibit showed the necessary

*Extracts from the New York State College of Home Economics at Cornell University, 12th annual report, p. 47-48, 52.

WORK OF THE LIBRARY OF THE NEW YORK STATE COLLEGE OF HOME ECONOMICS
AT CORNELL UNIVERSITY
 (continued)

equipment and procedure for repairing and binding books. In addition, collections of books on special subjects were displayed: books pertaining to the home, furniture, art, interior decorations, hobbies, gardens, architecture, finance, food and nutrition, recreational reading, drama, a family bookshelf, children's books, 10-cent-store books, and a collection of books illustrating beautiful binding and printing. In the main library were exhibits of bulletins and books pertaining to family relationships, in connection with a series of talks given in the library by members of the staff of the Department of Family Life. This exhibit allowed persons interested in the talks to follow them up by reading and handling books concerning the subjects discussed. The privilege was used widely, and at no time was the library free of people browsing through this exhibit. Mimeographed lists of all books on exhibit in both rooms were available...

"The Recreation Room Committee is responsible for making and enforcing all rules governing the use of the recreation room, which is used by students both as a general lounge and, on request, for special entertainment. A fireside reading group was begun as a part of the program of this room, with the college librarian acting as adviser. The group met every other Sunday evening, from 7:30 to 8:30, to hear various members of the faculty of the College of Arts and Sciences discuss the life and work of authors from whose books selections were read. Halfway through the winter, it became apparent that the recreation room was too far from the center of campus life, and therefore the management of Willard Straight Hall was asked for permission to hold the readings in the east lounge of that building. In consequence, the Fireside Group Committee and the Willard Straight Sunday Night Committee decided to make the fireside readings a joint contribution to campus life, and sponsor them together."

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WHAT STRANGE TRICKS BOOKS ARE UP TO SOMETIMES!

Letter of December 23 from borrower: "At the moment we are unable to locate the book you requested. If you find you did send us the book, let us know and we will make another search for it."

Letter of January 15 from Library: "We feel quite sure we did send the book. We hope that another search will show that you have it."

Letter of March 18 from borrower's stenographer: "Referring to your letter of January 15, we are pleased to advise you the book has been located in this office." After Mr.--- [the borrower] left for Europe I began making a thorough search of the office and found it in a small box with a lid on it in our files. The box we presumed was empty but somehow or other this book got in there."

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PERSONAL RECORDS

By Dr. Joseph Grinnell,
Museum of Vertebrate Zoology, University of California.

In compiling a biography of an ornithologist, the late Richard C. McGregor, I was impressed by the large amount of time and energy I consumed in ferreting out the needed data which even then was far from ideally complete. Much correspondence was required with institutions with which McGregor had been associated and with early friends of McGregor, before certain commonplace facts were uncovered. In the interests of the accuracy and adequacy of the work of future historians I now urge that each scientist, while still in his prime, and anyway, place among his private papers and in the archives of selected institutions an outline of his personal history and a bibliography of his writings to date, thereafter supplementing these data periodically. Such a record need not be extensive nor couched in literary form but it should cover the following essential points:

1. Date and place of birth, with statement of "background" that is, parentage, race, occupations or professions of immediate ancestors.
2. Early influences and education, specifying educational institutions attended, major subjects, degrees taken, and the like.
3. Travels undertaken, scientific expeditions accompanied, and field work accomplished.
4. Memberships in scientific societies.
5. Photographic print of self, suitable for reproduction.
6. Complete bibliography.

To repeat, for emphasis, this record should be prepared with planned conciseness. It need not, indeed should not, be in any degree a literary effusion. To a future biographer may be left the function of literary "sweetening." It is the basically important facts for which said future biographer will be grateful, and which other intelligent readers will value.

This sort of concise personal record should best be prepared in quadruplicate, one copy to be kept by the writer as a reminder to himself to bring it up to date year by year; a second copy to be placed in the custody of his employing institution; the third copy to be transmitted to the secretary of the organization concerned with the promotion of the subject-field of the writer's special interest. For example, in the third regard, if the individual is employed, say, by a state department of agriculture, then copy two should go there. His interests lying in the subject-field of entomology, copy three should go to the secretary of the Entomological Society of America. Then the fourth copy might well be transmitted to a state or federal library, such as is known to give attention to the preservation of manuscript documents in such a way as to make them easy to find by any enquirer.

Especially, persons engaged in scientific work in connection with any kind of public institution, owe this service, if not to themselves, then to their colleagues and successors.

*This article was prepared at the request of the Editor of Agricultural Library Notes. A few paragraphs on this subject, by Dr. Grinnell, appeared in the "Condor" for January 1938 (vol. 40, p. 46)

WHO SAID AGRICULTURAL BULLETINS ARE EASY TO CATALOG?

The Ohio Agricultural Experiment Station has recently issued a bound volume of its poultry publications. The following explanation regarding it is given in the foreword:

"This is a compilation of 92 poultry articles which have appeared in 64 issues of the Station's Bimonthly Bulletin from 1921 to 1937. The subjects are arranged chronologically and constitute a fragmentary history of the Station's poultry work and its interpretations and practical applications during this period. Two monograph bulletins were included because of their close correlation with similar but less comprehensive subject material which has appeared in the Bimonthly Bulletin.

"Inasmuch as most of the Station's published material on poultry subjects during the past 17 years has appeared in the Bimonthly Bulletins instead of in monograph bulletins, the purpose of this compilation was to render the widely dispersed material conveniently available in one volume; whereas it was previously obscured and practically unavailable.

"It was especially desired that this material be made available for students of poultry husbandry and writers on poultry subjects. Hence the few volumes of this compilation were placed where it was hoped they might best serve this purpose. We trust that in this way it may best serve the poultry industry at large."

This is all quite laudable as far as the convenience of the user of the volume is concerned after it is once in his hands. The convenience of the catalogers and bibliographers in recording the volume in library catalogs and in indexes did not, however, receive the same consideration, as will be evident from the following recital of the facts regarding the title page, the binders' title, and the actual contents.

"The title-page of the volume reads: "Poultry Investigations. Special Poultry Publication No. 26. Poultry articles appearing in the Station's Bimonthly Bulletin from 1921 to 1937 and Bulletins 437 and 476."

The cover of the volume, on the other hand, reads: "A compilation of poultry articles, 1921-1937. Special Bulletin No. 1." How then, should catalogers and bibliographers enter it? Should they call it Special Poultry Publication No. 26, or Special Bulletin No. 1? There is probably no escape from the extra work of cataloging it under both series.

Bulletins 437 and 476 were placed in the volume by date rather than in the sequence of the series number. Another interesting fact which should be noted is that the volume also contains Special Circular No. 28, June 1930, which was not included in the enumeration on the title page.

With such difficulties to contend with, it is hardly worth noting that the first articles from 1921 to June 1925 were from the Monthly Bulletin and that the first Bimonthly Bulletin was the number for July/August 1925. Furthermore, the headings "Monthly Bulletin" and "Bimonthly Bulletin" have been pasted at the head of the articles instead of being printed on them.

WHO SAID AGRICULTURAL BULLETINS ARE EASY TO CATALOG?
(continued)

In cataloging the publication for the U. S. Department of Agriculture Library, the catalogers and bibliographers decided that it was best to regard the volume as "Special Bulletin [new series] No. 1. It seemed necessary to add "new series" to distinguish the volume from No. 1 in an earlier series of Special Bulletins in which five bulletins were issued as follows⁽¹⁾ No. 1, Nov. 1898; No. 2, Mar. 1899; No. 3, Apr. 1899; No. 3, Apr. 1900; No. 4, Apr. 1900. It will be noted that for good measure there were two bulletins numbered 3 and there were also complications regarding the series designation "Special Poultry Publication No. 26", as no bulletins bearing the numbers "Special Poultry Publication No. 1-25" have apparently been issued.

In view of the foregoing bibliographical facts, should not libraries be pardoned if they have difficulty in identifying this collection of poultry publications when future requests for it are received?

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CATALOG OF PERIODICALS
in the

Library, Florida Agricultural Experiment Station

The Librarian of the Florida Agricultural Experiment Station, Mrs. Ida Keeling Cresap, has prepared in multigraphed form, a Catalog of Periodicals in the Library of the Station, on January 1, 1938. The list consists of 42 pages. In the case of each item, the file contained in the Library is indicated and it is also indicated whether or not the periodical is currently received.

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BOTANICAL FOLIO FOR EXCHANGE

The Library of the U. S. Department of Agriculture has for exchange an extra copy of the following work:

Candolle, Augustin Pyramus de. *Plantarum succulentarum*
historia. Paris, 1799. 2 v. in 1. 133 plates

All the known copies of this work differ as to the number of plates, etc., but all consist of plates and accompanying text. As some copies consist of 179 plates, it may be considered that plates 130-179 with text are lacking. This copy also lacks vol. 1, pl. 4 and text to pl. 68*; vol. 2, pl. 113 and text.

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⁽¹⁾ See U. S. Dept. of Agric. Bul. 1199, p. 137

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PRINCIPAL LIBRARY ACCESSIONS*

Aeronautics

- AIRCRAFT DISTRIBUTING COMPANY. Aero blue book. Rev. St. Louis, 1936.
333 A17 1936
- LUSK, H. F. A general text on aeronautics. New York, Ronald, 1938. 333 L97

Agricultural credit

- NORTON, L. J. Financing agriculture. Danville, Ill., Interstate, 1938.
284.2 N82
- PAGANI, L. Il credito agrario in regime corporativo. Venezia, Istituto federale delle casse di risparmio delle Venezie, 1937. 284.2 P14Cr
- WOODRUFF, A. M. Farm mortgage loans of life insurance companies. New Haven, Yale university press, 1937. (Williams college. David A. Wells prize essays. no. 7) 284.2 W862

Agricultural experiment stations

- RUUBEL, N. Die Staatliche landwirtschaftliche versuchsanstalt in Kuusiku. Tallinn, 1937. (Tall. Eesti kirj.-üh. tr. Pikk. t. 2. 1937) 106 Es82
- TARTU. UNIVERSITÄT. Die landwirtschaftlichen versuchsstationen der Universität Tartu. Tartu, Mattiesen, 1937. Dr. E. Lepik, redaktor. 106 T17L

Agriculture

- AVIGDOR, S. Agriculture égyptienne. Le Caire, Houry, 1937. 35.2 Av5

Alcohol and alcoholic liquors

- McGOVERN, J. P. Alcohol under state liquor laws. Ed.2. New York, Industrial alcohol institute, 1936. Mimeographed. 390.1 M17 Ed.2
- SOUTH AFRICA. WINE COMMISSION. Report. Pretoria, Government printer, 1937. 390.1 So84

Anatomy

- CONGRÈS POLONAIS D'ANATOMIE ET DE ZOOLOGIE. 1st, Warsaw, 1926. Comptes rendus. Warszawa, Dziewulski, 1927. 44.8 C7C

Anthropology

- BENEDICT, Mrs. R. F. Patterns of culture. Boston, Houghton Mifflin, 1934. 445 B43

* Requests which are sent to the Library for the loan of items on this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

Arachnida, Entomology

- BAERG, W. J. Introduction to economic entomology. Russellville, Ark., Russellville printing co., 1937. 423 B14
- DELONG, D. M., and Caldwell, J. S. Check list of the Cicadellidae (Homoptera) of America, North of Mexico. Columbus, Ohio state university, 1937. Processed. 431 D38C
- FROGGATT, W. W. Australian spiders and their allies. Sydney, Royal zoological society of New South Wales, 1935. 434 F92A
- GOETSCH, W. Die staaten der ameisen. Berlin, Springer, 1937. (Verständliche wissenschaft, bd. 33) 426 G71S
- GÓMEZ-MENOR Y ORTEGA, J. Coccidos de España. Madrid, Instituto de investigaciones agronómicas, Estación de fitopatología agrícola de Almería, 1937. 431.6 G58
- MUNRO, J. W. Cotton pest control work in southern and central Africa and the Rhodesias. London, Empire cotton growing corporation, 1937. 423 M92C

Biography

- PROSKOWETZ, E. von. Memorabilien. V Praze, Nakladem Československé akademie zemědělské, 1937. (Prameny a základy vydávané Československou akademií zemědělskou. rada B, číslo 7) 120 P94
- SCHINDLER, F. Rückblick auf mein leben und mein wirken im dienste der landwirtschaftlichen lehre und forschung. V Praze, Nakladem Československé akademie zemědělské, 1937. (Prameny a základy vydávané Československou akademií zemědělskou. rada B, číslo 6) 120 Sch32

Biology

- BURN, J. H. Biological standardization. London, Oxford university press, 1937. 396 B83B
- MELANDER, A. L. Source book of biological terms. New York, Department of biology, The City college, The college of the city of New York, 1937. 442 M482

Bitumen

- OBERBACH, J. H. Über die zusammensetzung von erdölasphalten. Berlin-Lichterfelde, Allgemeiner industrie-verlag, 1936. 299 Ob2

Botany

- BRAVO, H. Las cactáceas de México. México, Universidad nacional de México, 1937. 452.3 B733
- COSTE, H. J. Flore descriptive et illustrée de la France, de la Corse, et des contrées limitrophes. Paris, Librairie des sciences et des arts, 1937. 459.5 C82

PRINCIPAL LIBRARY ACCESSIONS

Botany (continued)

TAYLOR, W. R. Marine algae of the northeastern coast of North America. Ann Arbor, 1937. (University of Michigan studies. Scientific series. vol. 13) 461.4 T21

Chemistry

- ANDERSON, C. G. An introduction to bacteriological chemistry. Edinburgh, Livingstone, 1936. 386.2 An22
- ERGEBNISSE der vitamin- und hormonforschung. Hrsg. von L. Ruzicka und W. Stepp. v.1. Leipzig, Akademische verlagsgesellschaft, 1938. 386.2 Er4
- FEIGL, F. Qualitative analysis by spot tests, inorganic and organic applications. Translated from the latest German ed. by J. W. Matthews. New York, Nordemann, 1937. 387 F32Q
- HACKH, I. W. D. Hackh's chemical dictionary. Ed. 2. Philadelphia, Blakiston, 1937. 386.1 H11 Ed.2
- HARRINGTON, C. R. The thyroid gland; its chemistry and physiology. London, Oxford university press, 1933. 386.2 H22
- KRAMER, G. Mikroanalytische nachweise anorganischer ionen, ausführung und reaktionsbilder. Leipzig, Akademische verlagsgesellschaft, 1937. 387 K862
- MORRELL, R. S., and others, ed. Synthetic resins and allied plastics. London, Milford, 1937. (Revised edition of the second section of Natural and synthetic resins by H. Barry and R. S. Morrell, 1928) 387.1 M832

Colonization

- RAWS, Sir W. L. A century of land settlement in Victoria. Melbourne, Melbourne university press, 1936. (One of a series of five centenary lectures on "A century of development in Victoria", arranged by the University of Melbourne) 282.2 R19
- SCHULTZE, J. H. Deutsche siedlung. Stuttgart, Enke, 1937. 282.2 Sch8

Cooperation

- ATA ULLAH. The co-operative movement in the Punjab. London, Allen & Unwin, 1937. (The Indian co-operative series. v. 4) 280.2 U14
- GALLA, K. Sociology of the cooperative movement in the Czechoslovak village. Praha, Spolek Pece o blaho venkova, 1936. (Library of the Country life association in Praha. vol. 8) 280.2 G13
- HŮLKA, A. La coopération agricole en Tchécoslovaquie. Paris, Jouve, 1936. 280.2 H872
- RUSSELL, G. W. The living torch, A. E., ed. by Monk Gibbon. New York, Macmillan, 1938. 145 R91

PRINCIPAL LIBRARY ACCESSIONS
(continued)

Description and travel

- FEDERAL WRITERS' PROJECT. NEW HAMPSHIRE. New Hampshire, a guide to the granite state. Boston, Houghton Mifflin, 1938. 125 F312Ne
FEDERAL WRITERS' PROJECT. NEW YORK (State) Albany guide. [n.p., 1937?] 125 F312N
HUTCHISON, I. W. North to the rime-ringed sun; an Alaskan journey. New York, Hillman-Curl, 1937. 125 H972
MISSION SCIENTIFIQUE BELGE, 1932. Vers les glaciers de l'équateur. Par le cte Xavier de Grunne and others. Bruxelles, Dupriez, 1937. 127 M69

Economics

- BEALES, H. L. The early English socialists. London, Hamilton, 1933. 280.171 B36
CHAIT, B. Les fluctuations économiques et l'interdépendance des marchés. Bruxelles, Louis, 1938. 280 C342
COLE, G. D. H., and COLE, M. I. The condition of Britain. London, Gollancz, 1937. 280.171 C672
EDDY, S. Europe today. New York, Farrar & Rinehart, 1937. 280.17 Ed.2
FOREIGN POLICY ASSOCIATION, New York. Changing governments amid new social problems; a survey of the present governments in France, Italy, Germany, Russia and Denmark. New York, 1937. (Headline books. no. 11) 280.17 F76
FRISCH, R. Methods of measuring the relative cost of living. Washington, D.C., 1937. Processed. 284.4 F91
INSTITUTE OF PACIFIC RELATIONS. 6th conference, Yosemite national park, Calif., 1936. Problems of the Pacific, 1936. Ed. by W. L. Holland and others. Chicago, University of Chicago press [1937?] 280 In72 1936
KING-HALL, S. Chatham house; a brief account of the origins, purposes, and methods of the Royal institute of international affairs. London, Oxford university press, 1937. 280.9 R814
MARSHALL, T. H., and others. The population problem. London, Allen & Unwin, 1938. 280 M354
PENNSYLVANIA UNIVERSITY. WHARTON SCHOOL OF FINANCE AND COMMERCE. Wharton assembly addresses, 1937, by Sir W. Lewis and others. Philadelphia, 1937. 280.12 P382
RECORD, G. L. How to abolish poverty. Jersey City, George L. Record memorial association, 1936. 280 R243
ROBERTS, S. H. The house that Hitler built. London, Methuen, 1937. 280.175 R54
ROLL, E. Elements of economic theory. London, Oxford university press, 1937. 280 R64
ROYAL INSTITUTE OF INTERNATIONAL AFFAIRS. The republics of South America. London, Oxford university press, 1937. 280.16 R81
RUSTGARD, J. Sharing the wealth, nature's own law of distribution. Babson Park, Fla., Nidar book co., 1937. 280 R922

PRINCIPAL LIBRARY ACCESSIONS

Economics
(continued)

- STALEY, E. War losses to a neutral. Washington, League of nations association, 1937. 280.12 St1
- STONE, W. T. Peace in party platforms. New York, Foreign policy association, 1936. (Headline books. no. 4) 280.12 St7
- TEAD, O. The case for democracy and its meaning for modern life. New York, Association press, 1938. 280 T222
- THURSTON, J. Government proprietary corporations in the English-speaking countries. Cambridge, Mass., Harvard university press, 1937. 280 T42
- WAITE, E. P. The mystery of the ages. New York, Windermere press, 1937. 280 W13
- WARE, E. E., ed. The study of international relations in the United States. New York, American national committee on international intellectual cooperation, 1938. 280 W22 1937
- ZEEELAND, P. van. Report to the governments of the United Kingdom and France on the possibility of obtaining a general reduction of the obstacles to international trade, Jan. 26, 1938. London, 1938. (Gt. Brit. Foreign office. Miscellaneous no. 1. 1938; Gt. Brit. Parliament. Papers by command. Cnd. 5648) English and French. 286 Z2

Economics, Agricultural

- BITTING, C. R. Some notes on agriculture--the base of civilization. New York, Tyrrel, 1937. 281 B54
- Some notes on important factors. New York, Tyrrel, 1937. 281.12 B54
- Some notes on sources of our sugar supply. New York, Tyrrel, 1937. 281. 365 B54
- Some notes on the agricultural revolutions. New York, Tyrrel, 1937. 281 B54A
- Some notes on world conditions. New York, Tyrrel, 1937. 281 B54W
- Some notes on world sugar conditions. New York, Tyrrel, 1937. 286.365 B54
- GERMANY. REICHS- UND PREUSSISCHES MINISTERIUM FÜR ERNÄHRUNG UND LANDWIRTSCHAFT. The present state of the German dairy industry. Comp. by G. Reichart and others. Kempten i Allgäu, Deutsche molkerei-zeitung, 1937. Issued also in German with title: Die Deutsche milchwirtschaft in der gegenwart (281.344 G31D) 281.344 G31
- HAMSCHA, H., and DEUTSCH, O. Die aufgaben der österreichischen landwirtschaft. Wien, Österreichischer agrarverlag, 1937. 281.177 H18
- JOINT COMMITTEE OF COTTON TRADE ORGANISATIONS. Lancashire's remedy; proposals for improving the position of the cotton industry. Manchester, 1937. 281.372 J66L
- LEROY, L. La réglementation du blé; comment vendre, comment acheter, comment stocker. Paris, Flammarion, 1937. (La Terre, encyclopédie paysanne dirigée par J. Le Roy Ladurie. no. 1) 281.359 L562

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- OXFORD. UNIVERSITY. AGRICULTURAL ECONOMICS RESEARCH INSTITUTE. Milk investigation scheme. no. 1. Oxford, 1937. 281.344 Ox2M
- PACIFIC NORTHWEST CHEMURGIC CONFERENCE. Proceedings. [Olympia?] Published by Ernest N. Hutchinson, secretary of state, 1937. 281.9 P11
- STIERLING, G. Die landflucht und der einsatz von stadtjugend in der landwirtschaft. Berlin, Elsner, 1937. 281.175 St5
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- Soap. New York. Changed to Soap and sanitary chemicals with v. 14, no. 1, Jan. 1938.
- Business conditions and forecasts. New York. Changed to American management association. A. M. A. news letter with v. 10, no. 7, July 20, 1937(?).
- Market research, a monthly magazine. Market research, Rockefeller Center, N. Y. 12°. v. 7, no. 3, Sept. 1937. \$1.00 a year.

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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during March, 1938, exclusive of bibliographies*
and current issues of serials.**

Office of the Secretary

Farm youth. Statement by M. L. Wilson submitted to Special Senate committee on unemployment and relief. Mar. 10, 1938. 6 p. 1.9 Ag8639

The new farm act: balanced abundance for farm and city. Radio address by H. A. Wallace, National radio forum, Mar. 7, 1938. 10 p. 1.9 Ag8636

Rural relief program. Statement by Secretary H. A. Wallace before hearings of Special Senate committee to investigate unemployment and relief. Mar. 11, 1938. 8 p. 1.9 Ag8636

Agricultural Adjustment Administration

Marketing quota referenda. A radio talk by J. B. Hutson, National farm and home hour, Feb. 25, 1938. 3 p. 1.94 T55H

Problems of the grape industry in the eastern and central states. 1937. 8 p. Issued by General crops section. 1.94 Sp3Pg

Tomorrow's triple A referendums. Radio talk by H. R. Tolley, Farm and home hour, Mar. 11, 1938. 6 p. 1.94 Ad472T

Bureau of Agricultural Economics

Dairy and poultry market statistics 1937 annual summary. Feb. 1938. 49 p. 1.9 Ec724An

Economic reports and services. 1938. 61 p. 1.9 Ec731La

Estimating yearly changes in fluid milk and cream consumption in cities and villages. By G. W. Sprague and G. G. Foelsch. Feb. 1938. 32 p. 1.9 Ec724Ey

How to grade soft red winter wheat (Class V) in brief. Mar. 1938. 11 p. In cooperation with Extension service. 1.9 Ec72Hg

Human relations in land use planning. By C. C. Taylor, Division of farm population and rural life. 1938. 13 p. Address, first Missouri valley planning conference, Omaha, Nebr., Feb. 11-12, 1938. 1.9 Ec763Hu

Market news broadcasting schedule. 1938. 63 p. 1.9 Ec731M

*Bibliographies included in general list of bibliographies on page 184.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v.9, no.10, p.354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONSBureau of Agricultural Economics
(continued)

Number of farms changing ownership by various methods, year ended Mar. 15, 1937. Issued Feb. 1938. 4 p. 1.9 Ec78Nf

Orchard farming in Pennsylvania, Virginia, and West Virginia; a farm-management and cost-of-production study in the Cumberland-Shenandoah region in Pennsylvania, Virginia, and West Virginia, 1929-31. Mar. 1938. 51 p. In cooperation with Pennsylvania agricultural experiment station, Virginia agricultural experiment station, and West Virginia agricultural experiment station. 1.9 Ec7620

Summary of federal and state laws pertaining to containers for fruits and vegetables. Mar. 1938. 21 p. 1.9 Ec741Sum

Quality of cotton ginned in the irrigated southwest, crops of 1928-36 (Arizona, California, New Mexico, and District 1 of Texas) By W. B. Lanham, F. H. Harper, and G. E. Miller. Mar. 1938. 124 p. Ninth of a series of reports on the quality of cotton ginned in the various states. 1.9 Ec733Qi

Revised production estimates of fruit and nut crops. Revisions established in 1937 for specified years. Issued Mar. 1938. 40 p. 1.9 Ec71Rpe

A study of factors affecting the price of dry edible beans in the United States, by classes, 1922-23 to 1934-35 by J. Murray. Feb. 1938. 53 p. 1.9 Ec752Sf

U. S. Standards for cut peonies in the bud (Effective April 1, 1938) 1938. 5 p. 1.9 Ec74Pco

United States standards for grades of canned apples (effective Feb. 8, 1938) 6 p. 1.9 Ec792Apc

United States standards for watermelons (effective Mar. 28, 1938) 6 p. 1.9 Ec74W

Bureau of Animal Industry

The approximate composition of cuts from lamb carcasses of different degrees of fatness. By O. G. Hankins and P. E. Howe. Mar. 1938. 2 p. 1.9 An52Ap

Cold storage lockers for preserving farm-dressed meat. By K. F. Warner. Issued Dec. 1935; rev. Mar. 1938. 9 p. (A.H.D. no. 16 rev.) 1.9 An52Ah no. 16 rev.

State participation in the National poultry improvement plan. Mar. 15, 1938. 4 p. (A.H.D. no. 25) 1.9 An52Ah no. 25

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
(continued)

Bureau of Biological Survey

- The Federal aid to wildlife restoration act. By A. M. Day. 1938.
4 p. (Wildlife research and management leaflet BS-105.) (Issued
by the Office of the chief.) 1.9 B524W
- Report on extension work in wildlife conservation to December 1937.
by I. T. Bode. (Abstracted by L. K. Couch.) 1938. 7 p. (Wildlife
research and management leaflet BS-106.) (Issued by the Section of
Wildlife surveys, Division of wildlife research.) 1.9 B524W
- Planning for wildlife management--an outline. 1938. 5 p. (Wildlife
research and management leaflet BS-107.) (Issued by the Section of
wildlife surveys, Division of wildlife research.) 1.9 B524W
- History and significance of American wildlife. By H. P. Sheldon. 1938.
8 p. (Wildlife research and management leaflet BS-108.) (Issued by
the Division of public relations.) 1.9 B524W

Commodity Exchange Administration

- Hedging cotton; a memorandum prepared for the purpose of presenting to the
staff of the Commodity exchange administration and other representatives
of the Department of agriculture for discussion and analysis various uses
of "futures" contracts that have been described as hedging in the public
statements and correspondence of sundry cotton merchants. By T. D. Hammatt.
Issued Jan. 1938. 82 p. (C.E.A.13) 1.9 C73C [C.E.A.13]

Extension Service

- Summary of range-livestock and range-management extension work in the eleven
western states 1932 to 1936 inclusive. Issued Jan. 1938 in 3 separate
sections. 2 pts. (Extension service Circular 281) 1.9 Ex892 Esc no.281

Farm Security Administration

- Rich land - poor people. By M. R. White and others. Indianapolis, 1938.
62 p. (Research report no. 1) Issued by Region III, Indianapolis, Indiana.
1.9503 R31 no. 1

Food and Drug Administration

- Testing raspberries and loganberries for beetle infestation. By B. J. Howard
and J. D. Wildman. Issued May 1931; reissued Mar. 1938. 3 p. 1.9 F732

Forest Service

- Aerial survey handbook. 1938. Prepared by Division of engineering. 1938.
34, 26 p. 1.9 F765A

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (continued)

- Forest resources of northwest Louisiana. A progress report by the Southern forest survey. New Orleans, 1938. 21 p. (Forest survey release no. 31)
Issued by Southern forest experiment station, New Orleans, La. 1.9F7624F
- Forest statistics, Latah county, Idaho. From the inventory phase of the forest survey. Missoula, 1938. 30 p. (Forest survey release no. 10) Issued by Northern Rocky mountain forest and range experiment station. 1.9 F7628F
- Pulping and papermaking properties of seed flax straw. By E. R. Schafer and C. E. Currah. Madison, 1938. Issued by Forest products laboratory, Madison, Wis., in cooperation with the University of Wisconsin. 1.9 F761Pp
- Tire-tube method of fence post treatment. By G. M. Hunt and R. M. Wirka. Madison, Wis., Feb. 1938. 9 p. Issued by Forest products laboratory, Madison, Wis., in cooperation with the University of Wisconsin. 1.9 F761Ti
- What do forest playgrounds mean? By E. S. Pitt, U. S. Forest service, and E. G. Bogert, General federation of women's clubs. 1938. 12 p. (CS-2)
1.9 F76C1 no. 2

Bureau of Plant Industry

- Bindweed control in western Kansas. Results of experiments at Fort Hays branch experiment station, Hays, Kans., 1935-37. By F. L. Timmons. 1938. 4 p. Issued by Division of cereal crops and diseases. 1.9 P6917Bc
- Notes on new varieties of bush lima beans. By R. Magruder, Division of fruit and vegetable crops and diseases, and W. A. Frazier. 1938. 7 p. 1.9 P772No
- Results from cooperative wheat varietal experiments in the western region in 1937 with averages for 1931 to 1937. Davis, Calif., Feb. 3, 1938. 47 p. Issued by Division of cereal crops and diseases. 1.9 P6917Res
- Results of the cooperative uniform comparisons of corn hybrids. Mar. 19, 1938. 35 p. Issued by Division of cereal crops and diseases. 1.9 P6917Coo
- Report of the uniform alfalfa nurseries conducted cooperatively with the various state agricultural experiment stations represented in the Alfalfa improvement conference, 1937. Feb. 1938. 16 p. Issued by Division of forage crops and diseases. 1.9 P691Rep

Weather Bureau

- Instructions for making aerological observations by means of airplanes and sounding balloons. Circular P, rev. Aerological division. 1938. 85 p.
1 W37I

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE

This list includes (1) the libraries of the land-grant colleges and universities and the state experiment stations, (2) the libraries of the U. S. Department of Agriculture, and (3) miscellaneous libraries. Names of librarians are given in so far as known. Additions and corrections will be gratefully received. (Supersedes list published in Agricultural Library Notes for February 1935)

1. Land-grant Colleges and Universities and Experiment Stations

ALABAMA

Alabama Polytechnic Institute, Auburn. Miss Mary E. Martin, Librarian.
Alabama Agricultural Experiment Station, Auburn. Miss Sara Willeford,
Agricultural Librarian.
State Normal and Mechanical Institute for Negroes, Norma. Miss Lucille
A. Love, Librarian.
Agricultural School and Agricultural Experiment Station, Tuskegee
Normal and Industrial Institute, Tuskegee Institute. Mr. W. B.
Williams, Librarian.

ARIZONA

University of Arizona, Tucson. Mr. William H. Carlson, Librarian.

ARKANSAS

University of Arkansas, Fayetteville. Miss Jim P. Matthews, Librarian.
College of Agriculture, University of Arkansas, Fayetteville. Miss
Margaret Gallaway, Librarian.

CALIFORNIA

Agricultural Reference Service, University of California, Berkeley.
Mrs. Aileen J. Katsky, in charge.
University of California, Berkeley. Mr. Harold L. Leupp, Librarian.
College of Agriculture, University Farm, Davis. Miss Nelle U. Branch,
Librarian.
Citrus Experiment Station, Riverside. Miss Margaret Buvens, Librarian.
Giannini Foundation of Agricultural Economics, University of California,
Berkeley. Miss Orpha Cummings, Librarian.
Life Sciences, Life Science Building, University of California, Berkeley.
Mrs. M. J. Abbott, Librarian.

COLORADO

State College of Agriculture, Fort Collins. Mr. James Goodwin Hodgson,
Librarian.

CONNECTICUT

Connecticut State College, Storrs. Mr. Paul Alcorn, Librarian.
Connecticut State Agricultural Experiment Station, New Haven. Miss
L. M. Brautlecht, Librarian.
Storrs Agricultural Experiment Station, Storrs. Miss Betty Porter,
Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
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DELAWARE

University of Delaware, Newark. Mr. William D. Lewis, Librarian.
Agricultural Experiment Station, University of Delaware, Newark.
Miss Freda E. Ritz, Librarian.
State College for Colored Students, Dover. Mrs. Nell C. Jefferson,
Librarian.

FLORIDA

University of Florida, Gainesville. Miss Cora Miltimore, Librarian.
Agricultural Experiment Station, University of Florida, Gainesville.
Mrs. Ida K. Cresap, Librarian.
Florida Agricultural and Mechanical College for Negroes, Tallahassee.
Miss Jennie E. Baker, Librarian.

GEORGIA

College of Agriculture, University of Georgia, Athens. Miss Nelle M.
Reese, Librarian.
Georgia Experiment Station, Experiment. Miss Sarah L. Kilpatrick,
Librarian.
Georgia Coastal Plain Experiment Station, Tifton. Mrs. Jessie Lee
Stephens, Librarian.
Georgia State Industrial College for Colored Youths, Industrial
College. Miss Luella Hawkins, Librarian.

HAWAII

University of Hawaii, Honolulu. Miss Mary P. Pringle, Librarian.

IDAHO

University of Idaho, Moscow. Miss Mary B. Sweet, Librarian.

ILLINOIS

University of Illinois, Urbana. Mr. P. L. Windsor, Librarian.
College of Agriculture, University of Illinois, Urbana. Miss Mary G.
Burwash, Librarian.

INDIANA

Purdue University, Lafayette. Mr. Wm. M. Hepburn, Librarian.
Agricultural Experiment Station, Purdue University, Lafayette. Miss
Ivor Elizabeth Sempill, Librarian.

IOWA

Iowa State College of Agriculture and Mechanic Arts, Ames. Mr.
Charles H. Brown, Librarian.

KANSAS

Kansas State College of Agriculture and Applied Science, Manhattan.
Mr. Arthur B. Smith, Librarian. Miss Grace E. Derby, Associate
Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
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KENTUCKY

University of Kentucky, Lexington. Miss Margaret I. King, Librarian.
Agricultural Experiment Station, University of Kentucky, Lexington.

Miss Grace L. Snodgrass, Librarian.

Kentucky State Industrial College, Frankfort. Miss Ann Rucker, Librarian.

LOUISIANA

Hill Memorial Library, Louisiana State University and Agricultural and
Mechanical College, University Station, Baton Rouge. Mr. James A.
McMillen, Librarian.

Agricultural Experiment Station, Baton Rouge. Mrs. Ella H. Meyer,
Librarian.

Southern University, Scotlandville. Miss Camille S. Shade, Librarian.

MAINE

University of Maine, Orono. Mr. Louis T. Ibbotson, Librarian.

MARYLAND

University of Maryland, College Park. Mr. Carl W. E. Hintz, Director
of Library Service.

MASSACHUSETTS

Massachusetts State College, Amherst. Mr. Basil E. Wood, Librarian.

MICHIGAN

Michigan State College, East Lansing. Mr. J. E. Towne, Librarian.

MINNESOTA

University of Minnesota, Minneapolis. Mr. Frank K. Walter, Librarian.
Department of Agriculture, University of Minnesota, University Farm,
St. Paul. Miss Harriet W. Sewall, Librarian.

MISSISSIPPI

Mississippi State College, State College. Miss Nannie H. Rice, Librarian.
Mississippi Experiment Station, State College.
Alcorn Agricultural and Mechanical College, Alcorn. Mrs. Ruby L.
Lyells, Librarian.

MISSOURI

University of Missouri, Columbia. Mr. Benjamin Edward Powell, Librarian.
College of Agriculture, University of Missouri, Columbia. Miss Jane
Frodsham, Librarian.

Missouri State Fruit Experiment Station, Mountain Grove.

Missouri State Poultry Experiment Station, Mountain Grove.

MONTANA

Montana State College of Agriculture and Mechanic Arts, Bozeman.
Mrs. Lois B. Payson, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
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NEBRASKA

University of Nebraska, Lincoln. Mr. Robert A. Miller, Librarian.
College of Agriculture, University of Nebraska, Lincoln. Miss Edna C. Noble, Librarian.

NEVADA

University of Nevada, Reno. Miss Thea C. Thompson, Librarian.
College of Agriculture and Agricultural Experiment Station, Reno.
Miss Golamae Johnson, Librarian.

NEW HAMPSHIRE

University of New Hampshire, Durham. Mr. M. A. Miller, Librarian.

NEW JERSEY

Rutgers University, New Brunswick. Mr. George A. Osborn, Librarian.
New Jersey Agricultural Experiment Station, New Brunswick. Mrs. Elizabeth S. Evalul.

NEW MEXICO

New Mexico College of Agriculture and Mechanic Arts, State College.
Miss Elizabeth McCoy, Librarian.

NEW YORK

Cornell University, Ithaca. Mr. Otto Kinkeldey, Librarian.
New York State College of Agriculture, Ithaca. Mr. Willard W. Ellis, Librarian.
New York State Agricultural Experiment Station, Geneva. Mrs. Rachel E. Hening, Librarian.
New York State College of Forestry at Syracuse University, Forest Library, Eleanor Church, Librarian.

NORTH CAROLINA

University of North Carolina, Chapel Hill. Mr. Robert B. Downs, Librarian.
North Carolina State College of Agriculture and Engineering, State College Station, Raleigh. Mr. W. P. Kellam, Librarian.
The Negro Agricultural and Technical College, Greensboro. Miss Florence L. Byrd, Librarian.

NORTH DAKOTA

North Dakota Agricultural College and Experiment Station, State College Station, Fargo. Mrs. Ethel McVeety, Librarian.

OHIO

Ohio State University, Columbus. Mr. Earl N. Manchester, Librarian.
Ohio Agricultural Experiment Station, Wooster. Miss Mary C. Hollopeter, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
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OKLAHOMA

- Oklahoma Agricultural and Mechanical College, Stillwater. Mr. Icke
Iben, Librarian.
Oklahoma Agricultural Experiment Station, Stillwater. Miss Janet
Greer, Librarian.
Colored Agricultural and Normal University, Lanston. Mr. C. G.
Hatcher, Librarian.

OREGON

- Oregon State Agricultural College, Corvallis. Miss Lucy M. Lewis,
Librarian.

PENNSYLVANIA

- Pennsylvania State College, State College. Mr. Willard P. Lewis,
Librarian.
Agricultural Library, Pennsylvania State College, State College.
Miss Anne E. Beal, Librarian.

PUERTO RICO

- Agricultural Experiment Station, Rio Piedras. Mr. Jose I. Otero,
Librarian.

RHODE ISLAND

- Rhode Island State College, Kingston. Mr. F. P. Allen, Librarian.
Rhode Island Agricultural Experiment Station, Kingston. Miss
Lillian E. Hagberg, Librarian.

SOUTH CAROLINA

- Clemson Agricultural College, Clemson College. Miss Cornelia A.
Graham, Librarian.
Colored Normal, Industrial, Agricultural and Mechanical College of
South Carolina, Orangeburg. Miss Athelma R. Nix, Librarian.

SOUTH DAKOTA

- South Dakota State College of Agriculture and Mechanical Arts,
Brookings. Mr. H. Dean Stallings, Librarian.

TENNESSEE

- University of Tennessee, Knoxville. Miss Mary E. Baker, Librarian.
Agricultural Library, University of Tennessee, Knoxville. Miss
Sarah C. Currell, Librarian.
Tennessee Agricultural and Industrial State College, Nashville.
Mrs. Martha M. Brown, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
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TEXAS

Agricultural and Mechanical College of Texas, College Station.
Mr. Thomas F. Mayo, Librarian.
Agricultural Experiment Station, College Station. Miss Pauline
Elkins, Librarian, Mrs. Lilla G. Bryan, Ext. Librarian.
Prairie View State Normal and Industrial College, Prairie View.
Mr. O. J. Baker, Librarian.

UTAH

Utah State Agricultural College, Logan. Mr. Leonard H. Kirkpatrick,
in charge. of Library.
Utah Agricultural Experiment Station, Logan. Mrs. Gladys L. Harrison,
Editor and Librarian.

VERMONT

University of Vermont, Burlington. Miss Helen B. Shattuck, Librarian,
Agricultural Experiment Station, Burlington.

VIRGINIA

Virginia Polytechnic Institute, Blacksburg. Mr. Ralph M. Brown,
Librarian; Mrs. A. P. Cunningham, Assistant Librarian, in charge,
Agricultural Branch.
Virginia Truck Experiment Station, Norfolk. Sadie W. Griffin,
Librarian.
Virginia State College for Negroes, Ettrick. Mrs. Alpha S. Rogers,
Librarian.

WASHINGTON

State College of Washington, Pullman. Mr. W. W. Foote, Librarian.

WEST VIRGINIA

West Virginia University, Morgantown. Mr. C. G. Bronzas, Librarian.
West Virginia State College, Institute. Mr. M. M. Jefferson, Librarian.

WISCONSIN

University of Wisconsin, Madison. Mr. Gilbert H. Doane, Librarian.
College of Agriculture, University of Wisconsin, Madison. Mr.
Clarence S. Hean, Librarian.

WYOMING

University of Wyoming, Laramie. Miss Mary E. Marks, Librarian.

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
(continued)

2. U. S. Department of Agriculture

Librarian of the Department, Miss Claribel R. Barnett

Associate Librarian, Miss Emma B. Hawks

Readers' Division. Miss Emma B. Hawks, In Charge

Catalog Division. Miss Helen M. Thompson, Chief

Periodical Division. Miss Lydia K. Wilkins, Chief

Branch libraries in the Bureaus:

Bureau of Agricultural Economics. Miss Mary G. Lacy, Librarian

Division of Cotton Marketing. Miss Emily L. Day, Librarian

Bureau of Agricultural Engineering. Mrs. Dorothy W. Graf, Librarian

Bureau of Animal Industry. Miss Mary F. Thompson, Librarian

Bureau of Chemistry and Soils. [vacant]

Fertilizer Investigations. Mrs. Lee A. Garby, Librarian

Bureau of Dairy Industry. Miss Carrie B. Sherfy, Librarian

Bureau of Entomology and Plant Quarantine. Miss Mabel Colcord,
Librarian

Division of Bee Culture. Miss Ethel Coon, Librarian

Office of Experiment Stations. Miss Cora L. Feldkamp, Librarian

Forest Service. Mrs. Mildred B. Williams, Librarian

Bureau of Home Economics. Mrs. Mamie F. Nystrom, Librarian

Bureau of Plant Industry. Miss Jessie M. Allen, Librarian

Bureau of Public Roads. Miss O. Louise Evans, Librarian

Soil Conservation Service. Miss Mildred C. Benton, Librarian

Solicitor's Office. Mr. Francis D. Scott, In Charge

Weather Bureau. Mr. Richmond T. Zoch, Librarian

Outside of Washington:

California Forest and Range Experiment Station, Berkeley, California.

Miss Annie M. Avakian, Librarian

Regional Office, Forest Service, San Francisco, California.

Miss Edith Scofield, Librarian.

Regional Office, Forest Service, Denver, Colorado.

Mrs. Harriet Brown, Librarian

Regional Office, Forest Service, Atlanta, Georgia. Miss Rachel P.
Lane, Librarian

Southern Forest Experiment Station, New Orleans, Louisiana.

Miss Vera Lind, Acting Librarian

Appalachian Forest Experiment Station, Asheville, North Carolina.

Miss Josephine Laxton, Librarian

Central States Experiment Station, Columbus, Ohio.

Mr. John G. Kuenzel, Librarian

Regional Office, Forest Service, Portland, Oregon. Miss Ruth Raymond,
Librarian

Regional Office and Intermountain Forest & Range Experiment Station,
Ogden, Utah. Miss Signe Ruh Ottersen, Librarian

Forest Products Laboratory, Forest Service, Madison, Wisconsin.

Miss Ellen A. Hoffman, Librarian

Regional Office, Forest Service, Milwaukee, Wisconsin. Miss Frances
Beckwith, Librarian

LIST OF AGRICULTURAL LIBRARIES AND LIBRARIES HAVING LARGE COLLECTIONS
IN THE SCIENCES PERTAINING TO AGRICULTURE
(continued)

3. Miscellaneous Libraries

- Academy of Natural Sciences, Philadelphia, Pa. Mr. Wm. J. Fox, Librarian.
American Museum of Natural History, New York. Miss Hazel Gay, Librarian.
Boston Society of Natural History, Boston, Mass. Miss Mary B. Cobb, Librarian.
Boyce Thompson Institute for Plant Research, Yonkers, N.Y. Miss Zeliaette Troy, Librarian.
Brooklyn Botanic Garden, Brooklyn, N.Y. Mr. Wm. E. Jordan, Librarian.
Cleveland Museum of Natural History, Cleveland, Ohio. Miss Edythe G. Williams, Reference Librarian.
Columbia University. Natural Science Libraries. New York. Miss Amy L. Hepburn, Librarian.
Field Museum of Natural History, Chicago, Ill. Mrs. Emily L. Wilcoxson, Librarian.
Hampton Institute, Hampton, Virginia. Miss Caroline L. Jones, Librarian.
Harvard University, Arnold Arboretum, Jamaica Plain, Mass. Miss Ethelyn M.D. Tucker, Librarian.
Harvard University. Farlow Reference Library, Cambridge, Mass. Miss Hilda Harris, Librarian.
Harvard University. Gray Herbarium, Cambridge, Mass. Miss Ruth D. Sanderson, Librarian.
Harvard University, Museum of Comparative Zoology, Cambridge, Mass. Mr. William E. Schevill, Librarian.
Horticultural Society of New York, New York. 598 Madison Avenue. Miss Elizabeth Pollak, Acting Librarian.
International Harvester Co., Agricultural Extension Department, Chicago, Ill. Mrs. Kathryn B. Allen, Librarian.
John Crerar Library, Chicago, Ill. Dr. J. Christian Bay, Librarian.
The Lloyd Library, Cincinnati, O. [vacant].
Massachusetts Horticultural Society, Boston, Mass. Miss Dorothy S. Manks, Librarian.
Missouri Botanical Garden, St. Louis, Mo. Miss Nell C. Horner, Librarian.
New York Botanical Garden, Bronx Park, N. Y. Miss S. H. Harlow, Librarian.
Pennsylvania Horticultural Society, Philadelphia, Pa. Miss Maria B. Samuel, Librarian.
Smithsonian Institution, Washington, D. C. Prof. W. L. Corbin, Librarian.
University of Michigan, School of Forestry and Conservation, Ann Arbor, Mich. Miss Ina E. Rankin, Librarian.
University of Pennsylvania Botanical Laboratory, Philadelphia, Pa. Miss Helen R. Rehill, Librarian.
Yale University School of Forestry, New Haven, Conn. Miss Frances Bolton, Librarian.

THE CYCLOPEDIAIC VALUE OF BIOLOGICAL ABSTRACTS

By Dr. Frederick V. Rand

(Reprinted from Science, April 8, 1938, vol. 87, no. 2258, pages 323-324)

"The value to the research worker of an up-to-date synthesizing abstract service covering the world's progress in the broad field of biology has been stressed from many view-points and by many individuals. This was the primary aim in launching Biological Abstracts. What has not been sufficiently emphasized is the fact that outside his own field the specialist immediately becomes a layman, who, if he is an intelligent layman, is constantly seeking information on a wide range of subjects cropping up in his daily life at every turn and about which he knows little or nothing.

Even without an adequate abstracting service, I in my own field of phytopathology am not irrevocably lost, because I have at least some idea as to where I must look to find out what I want to know. The task must be exceedingly laborious, but it at least is not entirely insurmountable. However, the further I go from my own field the more I am reminded of the babes lost in the woods. The information in textbooks is often ten years old before it is out, the indexes are rarely if ever adequate, and unless I am fortunate enough to have a large library at my elbow even such sources are not available to me.

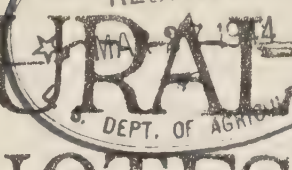
I am reading an interesting article on Arbacia. My early zoological training not having sunk entirely beyond recall, I remember it to be an animal of some kind, but where does it belong? I reach for my Biological Abstracts index. Under Arbacia I am referred to the taxonomic index, and if I wish to go further, the detailed analytical index refers me to specific and diverse information on many species of the group. Examples might be multiplied indefinitely: I am in doubt about the spelling of an insect name. Knowing the infinite care with which Dr. Mary Jones Fisher has checked over the spelling of zoological names in Biological Abstracts I am as confident as though I had gone to the original source. I want to learn quickly some specific point about diet, this or that vitamin, the effects of sodium chloride on the system, what does the electrocardiogram mean in terms of life processes or what are the effects of light on plants and animals, etc., etc. The taxonomic, geographical, geological and fully cross-referenced, detailed analytical subject indexes of Biological Abstracts lead me quickly to most of what I want to locate in the daily routine of work and general reading.

I am not suggesting here the potential usability of Biological Abstracts as it might sometime become, but rather am presenting my own actual personal experience with it as it was yesterday and is to-day. I shall continue to use it in such a capacity for years to come, even though no further issue should ever appear.



What does all this boil down to, but that the value of Biological Abstracts can scarcely be overestimated even when viewed solely as an up-to-date encyclopedia of information on all matters pertaining to living things, for the daily use of intelligent, inquiring minds, old and young. The educational value in high schools, colleges, industries and homes of such an encyclopedia of biology brought up to date year by year and provided with the thoroughly adequate types of indexes so carefully worked out by Dr. J. R. Schramm is a matter which can not be lightly turned aside.

For the sake not only of its value to science, but also of its educational and reference value to students and intelligent citizens generally, it is to be hoped that the future of Biological Abstracts may be assured."

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AGRICULTURAL LIBRARY NOTES



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CONGRESSES

- Congrès Internationale de Géographie, Amsterdam, 18-28 Juillet, 1938.
Secretariat du Congrès, Koloniaal Instituut, Mauritskade 63, Amsterdam.
- Conference on Flowering Trees and Shrubs (other than Rhododendrons), The Royal Horticultural Society, London, April 26-28, 1938.
The report of the Conference will be published. Request should be addressed to the Secretary, Royal Horticultural Society, Vincent Square, Westminster, London, S. W. 1, England.
- Vème Congrès International de la Vigne et du Vin, Lisbonne, 15-23 October 1938.
President: M. Antonio Alves Bastos Botelho da Costa, Ingenieur agronome, Directeur General des Services Agricoles, Ministère de l'Agriculture du Portugal, Lisbon.
- XIIth International Horticultural Congress, Berlin, Germany, August 12 to 17, 1938. Secretary General: F. Guenther, Schlieffenufer, Berlin, N. W. 40.

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Connecticut

- MILES, G. A. Ducks. Conn. State Col. Ext., 1938. Storrs. Mimeographed.
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Delaware

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- Fertilizer recommendations. (Del. Univ. Agr. Ext. Inform. Card 36) Newark, 1937.
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- Grape spray program. (Del. Univ. Agr. Ext. Inform. Card 39) Newark, 1938.

Florida

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*Prepared in the Office of Experiment Station Library.

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Mississippi

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PAULLING, J. R. Thick spacing of cotton for Missouri. (Mo. Agr. Col. Ext. Leaflet 47) Columbia, 1938.

Nebraska

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- Camping world. Camping world, inc. 11 East 44th Street, New York, N. Y. 7 times a year. 4°. il. vol. 3, no. 7, Nov./Dec. 1937. \$2.00 a year.
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- Construction, covering 16 states. Manufacturers' record publishing company, Water and Commerce Streets, Baltimore, Md. mo. f°. il. vol. 80, no. 6, Jan. 10, 1938. Annual subscription, including daily bulletin, \$10.00; combination rate for Construction (daily bulletin) and Manufacturers' record (monthly), \$11.00.
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- Southern seedsman. L. Kemper Wilson, 225 College Boulevard, San Antonio, Texas. mo. 4°. il. vol. 1, no. 1, Jan. 1938. \$1.00 a year; 2 years, \$1.50.
- Three acres and security. Stanley W. Porter, Room 8, Professional Building Elgin, Ill. bi-mo. 8°. il. vol. 1, no. 2, May-June 1937. 12 issues, \$1.00.
- Tokyo. Chamber of commerce and industry. Monthly report on prices of commodities in Tokyo. Tokyo, Japan. 4°. June 1937. No price given.
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- World today; Encyclopaedia britannica. New York. Discontinued with vol. 4, no. 5, June 1937. Publication discontinued in favor of a Britannica Yearbook to be issued in 1938.
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SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

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Office of the Secretary

AAA pioneered the way. Speech by Dr. Mordecai Ezekiel, before the Progressive education association, in New York City, Feb. 23, 1938. 8 p. 1.9 Ag8638

Address by Secretary of agriculture Henry A. Wallace at the Award dinner, National traffic safety contest of the National safety council, Apr. 12, 1938. 6 p. 1.9 Ag8636

Corn breeding experience and its probable eventual effect on the technique of livestock breeding. Spragg memorial lecture, by Henry A. Wallace, Secretary of agriculture, at Michigan state college, East Lansing, Mich., Apr. 21, 1938. 22 p. 1.9 Ag8636

Crop insurance arrives. Address by Henry A. Wallace, Secretary of agriculture, before meeting of farmers and farm leaders to launch the crop insurance program at Omaha, Nebraska, broadcast over N.B.C. Farm and home hour, Apr. 19, 1938. 11 p. 1.9 Ag8636

The Kansas City commission rate case. A radio talk by Henry A. Wallace, Apr. 28, 1938, National farm and home hour. 7 p. 1.9 Ag8636

The new world: a new university and a new generation. Address by Secretary of agriculture Henry A. Wallace on the occasion of the Dedictory program of Louisiana State university, Apr. 8, 1938. 19 p. 1.9 Ag8636

Agricultural Adjustment Administration

The ABC of the AAA farm program; a brief review of the provisions of the Agricultural adjustment act of 1938. 1938. 5 p. For use of Home demonstration agents, Agricultural extension service. 1.42 Ad4Ab

What do you mean, AAA education? Discussion by regional representatives, Division of information. 1938. 10 p. Issued by Division of information. Preliminary outline for Smith-Hughes regional conferences - 1938. 1.9 Ad45Wh

Bureau of Agricultural Economics

Farm mortgage recordings. Iowa. Newly recorded farm mortgages by lending groups, annually, 1917-1935, showing (a) percentage distribution of total recordings, (b) average interest rates and (c) average consideration. 1938. 9 p. 1.9 Ec78Fmr

* Bibliographies included in general list of bibliographies on page 242.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p.354.

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Grain inspection points under United States Grain standards Act. Issued from General field headquarters, Grain division, Chicago, Ill., Apr. 1, 1938. 8 p. 1.9 Ec72Gri

Large-scale farming in the United States. By D. C. Mumford. Apr. 1938. 52 p. 1.9 Ec762Ls

The Perishable agricultural commodities act; what it means to you. Mar. 1938. 4 p. 1.9 Ec7Pac

Statistics relating to lemons and limes; world acreage, production and trade. 32 p. (FS-CF 90) 1.9 Ec752F

United States agricultural trade with Canada, 1937. 1938. 13 p. (FS-74) 1.9 Ec752

U.S. standards for snap beans for canning or freezing. (Effective Apr. 25, 1938) 8 p. 1.9 Ec74Bes

What about Texas cotton? By P. K. Norris. 8 p. Address, State meeting, Texas cooperative cotton ginners association, Dallas, Tex., Apr. 5, 1938. 1.9 Ec753Wha

Bureau of Agricultural Engineering

Water control in the peat soils of Florida. By B. S. Clayton. Feb. 1938. 22 p. Issued by Division of drainage in cooperation with Agricultural experiment station, University of Florida. 1.9 En35Wa

Bureau of Animal Industry

Control of liver flukes and fluke disease of sheep, goats and cattle. By R. Jay. July 15, 1931. Slightly revised Apr. 15, 1938. 6 p. Issued by Zoological division. 1.9 An59C1

Feeding garbage to hogs. By J. H. Zeller. Mar. 1938. 8 p. (A.N.D.no.3) 1.9 An527A no.3

Suggestions for the use of National poultry improvement plan record forms. Apr. 1938. 7 p. Issued by the Division of animal husbandry. (A.H.D. no.26) 1.9 An52Ah no.26

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Bureau of Dairy Industry

Directions for making Kefir milk and Kefir buttermilk. [1938?] 3 p.
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Control of insects attacking grain in farm storage. By R. T. Cotton. Apr.
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 tions. 1.9 En865 Ci

Extension Service

Hay quality; relation to production and feed value. By E. O. Pollock and
 W. H. Hosterman. Mar. 1938. 28 p. Extension service and Bureau of
 agricultural economics, cooperating. 1.9 Ex891Ha

Situations, problems, and interests of unmarried rural young people 16-25
 years of age. Survey of four Oregon counties, 1936. By B. D. Joy and J. R.
 Beck. Dec. 1937. 41 p. Issued by Division of cooperative extension.
 (Extension service circular 277) 1.9 Ex892Esc

State extension bulletins on rural electrification. Compiled by S. P. Lyle.
 Issued Apr. 1937. Revised Jan. 1938. 12 p. Issued by the Division of
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 1.9 Ex892Mi no.38 rev.

Forest Service

10th Annual investigative report for 1937 and program for 1938 (Calendar years).
 46 p. Issued by the Central States forest experiment station, Columbus, O.
 1.9 F76252

17th Annual report and program, 1937. Mar. 1, 1938. 34 p. Issued by the Appa-
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American woods: Dogwood (*Cornus florida*) by H. S. Betts. Feb. 1938. 6 p.
 1.9 F76Am

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- American woods: Persimmon (*Diospyros virginiana*) by H. S. Betts. Mar. 1938.
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13 p. 1.9 F76Fwo
- The manufacture of rayon. Revised Jan. 1938. 5 p. (Technical note no.217)
Issued by the Forest products laboratory, Madison, Wis. 1.9 F761 no.217 1938
- Preservative treatment of window sash and other millwork. By G. M. Hunt. Apr.
1928. 10 p. Issued by the Forest products laboratory, Madison, Wis.
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- Relation of growth characteristics of southern pine to its use in pulping.
by C. E. Curran. Feb. 1938. 7 p. Issued by the Forest products laboratory,
Madison, Wis. Address to convention of Association of agricultural workers,
Atlanta, Ga. Feb. 3, 1938. 1.9 F761Rel
- Root distribution of longleaf pine seedlings and associated vegetation. Mar.
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La. (Southern forestry notes no.21) 1.9 F7624S no.21

Office of Information

- Biographical sketch of Henry A. Wallace. Mar. 1938. 8 p. Also issued as
Press release 1556-38. 3 p.

Bureau of Plant Industry

- National potato breeding program, 1937. By F. J. Stevenson and C. F. Clark.
1938. 41 p. Issued by the Division of fruit and vegetable crops and
diseases, and cooperators. 1.9 P772Pot

Bureau of Public Roads

- Compilation of laws of the several states relating to outdoor advertising.
Jan. 1, 1938. 93 p. 1.9 R53Co

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LIBRARY EXPENDITURES OF LAND-GRANT COLLEGES AND UNIVERSITIES, 1928-1937*

By F. P. Allen,
Librarian, Rhode Island State College

A decade has elapsed since the figures used in the monumental work, the Survey of Land-Grant Colleges and Universities, were collected. Although the actual date of the publication was some time later it may seem fitting at the end of the first ten-year period to take stock of ourselves and see just how far we have progressed. Final statistics of educational institutions are indubitably tied up with the general financial condition of the country... These statistics may be some indication of the fact that conditions have improved more perceptibly in some sections of the country than in others. They may simply be indications that institutions in certain sections of the country are more awake to the importance of the library as a vital force in the educational process. It is hoped above all that they may be used by some institutions as a means of obtaining more adequate library appropriations.

A letter was written to the librarian of each of the fifty-two land-grant institutions early in October (1937) asking that an enclosed post card be filled out and returned in order to bring up-to-date the statistics in Table 5, Library expenditures, 1928, on p. 701 of the Survey of Land-Grant Colleges and Universities. The response was extremely satisfactory. Three sets of figures were requested: (1) Number of students in institution; (2) Library expenditures for year ending June 1937; (3) Total expenditures of institutions for year ending June 1937. Needless to say the response did not reach 100 percent. For institutions which failed to reply it was not difficult to use the figures of Mr. Walter J. Greenleaf, Specialist in Higher Education.** In some few cases it was deemed advisable to use the Office of Education figures in preference to the ones sent in when it was apparent that the best interests of the institution were better served by so doing. This was done for the sake of uniformity where there were discrepancies due to variance in items included under expenditures.

The ideal of uniformity and consistency in including certain expenditures and excluding others of course has been attempted but undoubtedly not wholly achieved. It may be assumed that the total expenditures of an institution include general administration, resident instruction, organized research, extension, operation and maintenance besides library expenditures. It may be assumed that the figures in this study do not include auxiliary enterprises and activities, non-educational expense and capital outlays.

Because of the fact that this is a report only of library expenditures little comment will be made on comparative enrollment statistics. In passing, perhaps it might be said that the entire list of land-grant institutions has shown an increase in enrollment. However, it is just possible to make this

*From Library Journal, vol. 63, no. 10, May 15, 1938. This article with a few omissions, including the longer tables, is reprinted in Agricultural Library Notes in order to bring it to the attention of scientists and agricultural extension workers who receive the latter but who are not likely to receive the Library Journal.

**U. S. Office of Education, Circular 172, "Preliminary Report Land-Grant Colleges and Universities Year Ended June 30, 1937."

LIBRARY EXPENDITURES OF LAND-GRANT COLLEGES AND UNIVERSITIES, 1928-1937
(continued)

statement and that is all, as New Hampshire barely got under the wire with an increase of one student. Many of the others have doubled and even trebled their enrollment. California holds the record with a gain of over 7,000 while Minnesota and Louisiana State have gains of over 5,000... (Tables omitted)

In summarizing the figures on library expenditures per student let us begin with the gloomy picture and end with the bright one. In 1928 there were thirteen land-grant institutions spending less than \$11 per student on their libraries. Today, there are twenty. Of the original thirteen we find nine of them still in the cellar today. Of the four that have climbed upward, Georgia deserves the most credit, ascending from \$7 to almost \$20. West Virginia is next best, doubling hers from \$10 to \$20. Pennsylvania and Vermont have risen but only to a little over \$14, although this doubles Pennsylvania's expenditure per student since 1928. The schools which seem to have lost the heaviest are from the west and south. North Dakota, New Mexico, Tennessee and Kansas are spending approximately one-half as much per student as they were spending in 1928. Michigan and South Dakota are spending three-quarters as much and Ohio two-thirds as much per student. Idaho and Nevada are spending several dollars less. Rhode Island, Alabama, Texas, Clemson (South Carolina), Mississippi, Maryland, Utah, Purdue (Indiana), and Virginia are at least consistent. They spent \$10 or less per student in 1928 and they remain in that dismal class today. Rhode Island and Maryland have advanced a bit but not enough to get out of that group.

At the other end of the scale we find that in 1928 twelve schools received \$19 or more per student and today that number has increased to fourteen. Of the original twelve we find seven still in that group and seven additions on the 1937 list. Of the seven that are still in the upper bracket, four have suffered losses and three have gained in the amount spent per student. Concerning the seven newcomers to the ranks of the elite, Rutgers has the most phenomenal record with almost three times the expenditure per student which she had in 1928. Connecticut has more than doubled hers from \$14 to \$34.20. Cornell, M. I. T., and Washington have each added \$5 per student in order to get into the over \$20 class. West Virginia and Georgia, the remaining two new recruits in this group, have already had their enviable records referred to.

In looking over the list of expenditures per student, we find that the range is practically the same as it was in 1928. Clemson (South Carolina) is spending the smallest amount which is the same amount that Rhode Island spent in 1928. Only one institution (Rutgers) is spending a larger amount than Arkansas spent in 1928. The average amount spent in 1928 was \$14.90. In 1937 it was \$14.54.

Today only four institutions meet the standards set by the land-grant survey for expenditure of \$25 per student for institutions with enrollment of less than 8,000 and \$20 for those with enrollment of over 8,000. Rutgers and Connecticut meet the first requirement and Illinois and California fall into the second category. In 1928 six institutions qualified with expenditures of \$25 or over per student and Illinois makes seven in attaining the land-grant standard in the \$20 for institutions of over 8,000 enrollment.

LIBRARY EXPENDITURES OF LAND-GRANT COLLEGES AND UNIVERSITIES, 1928-1937
(continued)

Institutions spending 4 per cent or more of their budget on the library are:

	1928	1937
Arkansas.....	4. per cent	3.5 per cent
California.....	4. per cent	4.52 per cent
Hawaii.....	5.8 per cent	5.53 per cent
Minnesota.....	5.2 per cent	3.75 per cent
	1937	1928
California.....	4.52 per cent	4. per cent
Hawaii.....	5.53 per cent	5.8 per cent
Illinois.....	4.53 per cent	3.6 per cent
Louisiana.....	4.92 per cent	2.8 per cent

The land-grant institutions as a group do not succeed in measuring up well in this column according to the standards set in the 1928 survey. There are still but four institutions which can claim the distinction of being in the approved group. California and Hawaii have weathered the depression and are still in this classification, the one (California) with a slightly improved percentage and the other with a slightly depressed percentage. Arkansas and Minnesota have both failed to fully recover from lean years although their percentages are still high. Illinois and Louisiana have both gained appreciably since 1928, the former with an increase of almost 2 percent and the latter with an increase of just over 2 percent, bringing them both well over the 4 percent standard.

Conclusion

In briefly summarizing our comparison of statistics, it is at once apparent that no great gains have been made by the land-grant colleges as a whole in the matter of library support. In some few isolated cases, a great advance in expenditure has taken place. There is, however, a marked trend toward more adequate support. Although only the same number of institutions meet the proper percentage for library expenditures, an increasing number spend 2 percent and 3 percent and over, while fewer (twenty-two) spend less than 2 percent. In summarizing the expenditure per student, we find many disturbing factors. The range and the average are practically the same for 1937 that they were in 1928. The number of institutions qualifying under the \$25 per student (or \$20 for over 8,000 students) requirement is smaller, a drop from seven to four. Twenty-four institutions have gained while twenty-eight have lost in expenditure per student. If we choose to omit those whose gain or loss is less than \$1, we find that twenty-one gained and twenty-six lost. The one encouraging factor in the picture is that fourteen institutions are in the upper bracket of \$19 or more while only twelve were in it in 1928, which shows a slight but definite trend towards a larger library budget.

In closing, I wish to thank the librarians of the land-grant institutions who have cooperated in the completion of this survey. If it provides the impetus for an increase of library expenditures, the work has not been in vain. Perhaps it may also serve to stimulate interest in another land-grant survey.

THE ACTIVITIES OF THE INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS

Communication VI

A previous communication on the activities of the International Committee of Agricultural Librarians⁽¹⁾ contained the announcement of the compilation of a "World List of Agricultural Libraries". This is now in the press.

The preparatory work was started in 1936 by the Library of the International Institute of Agriculture. The compilation of the list was carried out by Mrs. Camerani-Teodorova, "Redactrice" at the Institute's Library. In the course of this work aid was frequently requested and liberally given by the members of the Committee.

The "World List", differently arranged and exceeding in size all previous lists of this kind, endeavours to meet the needs of scientific research work. It includes general agricultural libraries, libraries specializing in one of the branches of agriculture (animal husbandry, dairying, horticulture, economics, chemistry, soil science, plant diseases, etc.), centers of agricultural documentation and special agricultural collections to be found in the more important University libraries. The list includes also forestry libraries.

The work was based on an inquiry by means of questionnaires sent to all the libraries (about 3000) which fell within the scope of the list and of which the addresses could be found - partly through bibliographical sources, partly by direct information obtained through government agencies, national libraries, or members of our Committee.

The questionnaires were prepared in six languages (German, English, Spanish, French, Italian and Russian). Information was requested on the following items:

1. General information and history of the library
2. General data on the collections of the various libraries
(special subjects, foreign literature, old books)
3. Number of books and periodicals
4. Description of catalogues and classification
5. Service to the readers
6. Relations with other libraries (interlibrary loan and
mutual exchange of publications)
7. Publications by or about the library

The answers to these questionnaires - which sometimes were given in a very detailed and painstaking way - have been revised, summarized and put into a homogeneous form. A certain number of libraries, from which it was not possible to obtain direct information, have been included only under their official name and address, adding when possible some description obtained from other sources. The names of all libraries are given in their original language followed by a French translation in the case of less well known languages.

The list will be issued in a bilingual edition (the descriptions being given in French and English) and will contain, on more than 300 pages, the description of about 1200 libraries, arranged in geographical order. At the end of the list, an alphabetical subject index is added.

(1) Cf: La Technique agricole International, Nr.2, April-June, 1937, p.220.

THE ACTIVITIES OF THE INTERNATIONAL COMMITTEE OF AGRICULTURAL LIBRARIANS
(continued)

Since the last communication relating to the membership of our Committee⁽¹⁾, the following persons have accepted membership:

- M. Abb. Chief Librarian of the University Library of Berlin, Germany. (Member of the Executive Board)
- Miss E. Archer, Librarian of the Council for Industrial and Scientific Research, Melbourne, Australia.
- Mr. Crabus, Librarian of the Institut Agronomique de l'Etat, Gembloux, Belgium.
- Dr. S. Ginsburg, Librarian of the Agricultural Experiment Station, Rehovot, Palestine.
- Mr. S. J. Kritzing, Librarian of the Department of Agriculture and Forestry, Pretoria, Union of South Africa.
- Miss Aline Payen, Librarian of the Faculté de Droit, Paris, France.
- Mr. Tanahashi Hatsutaro, Chief Librarian of the College of Agriculture, Imperial University, Kyoto, Japan.

On the other hand, Mr. Stummvoll, the representative of Turkey and librarian at the Agricultural College of Ankara, has resigned owing to his departure from Ankara. I wish to thank Mr. Stummvoll, who has been a member since the foundation of the Committee, for his valuable collaboration and interest.

The Committee has also taken the necessary steps to invite colleagues from Argentina, India, Italy, and U.R.S.S. (a second member for the last two countries).

The Committee has received information from Mr. Bostik in regard to the foundation of a National Committee of Agricultural Librarians in Czechoslovakia, composed of 76 members. This Committee is an independent body of the Union of Agricultural Journalists and Writers of that country, through which it is affiliated with the F.I.T.A. (International Federation of Technical Agriculturists). Our Committee congratulates Mr. Bostik and his chief, Dr. Reich, Secretary General of the Czech Academy for Agriculture, on this happy beginning and extends to this first national and professional organization of agricultural librarians in Europe its best wishes for much success and prosperity. It will be remembered that in the United States there has existed since 1911 a professional group of agricultural librarians in the form of the "Agricultural Libraries Section" of the "American Library Association". Therefore, there are now two countries where such an organization is functioning. We hope sincerely that these good examples may find followers in many other countries.

The annual report of the activities of our Committee (June 1936-August 1937) was recently published in English in the "Actes du Comité International des Bibliothèques", vol. IX, 10me session, Paris (La Haye, Nijhoff, 1938), p. 177-179.

Those members who have not as yet paid their annual dues are kindly invited to send the sum of two swiss francs (dues for 1938 and 1939) to the Secretary-Treasurer.

Sigmund von Frauendorfer, Secretary-Treasurer.
(Address: Internat. Inst. of Agriculture Library, Rome, Italy)

(1) Agricultural Library Notes, 1937, p. 263.

MISCELLANY

A member of the Alabama Experiment Station staff has decided to dispose of his large collection of publications of the State experiment stations issued during the thirty-five years, 1888-1922, as well as a less complete collection of U. S. Department of Agriculture bureau publications for the same period. The collection is to be disposed of as a unit or in large blocs. Persons interested should communicate direct with the owner, Mr. J. F. Duggar, Auburn, Alabama.

The following libraries were inadvertently omitted from the "List of agricultural libraries and libraries having large collections in the sciences pertaining to agriculture" which was included in the April 1938 issue of Agricultural Library Notes:

U. S. Department of Agriculture. Commodity Exchange Administration.
Mrs. C. Louise Corbett, Librarian.
Carnegie Institution of Washington, Department of Genetics.
Cold Spring Harbor, Long Island, N. Y. Miss Lucile Allensworth,
Librarian.

In The American Home for June, 1938 (vol. XX, no. 1, pages 13-16, 73) there is an article entitled "Know American Arts and Crafts First" by Charlotte E. Conway. This article describes and beautifully illustrates the "Exhibition of the Rural Arts" held in the fall of 1937 under the auspices of the United States Department of Agriculture, and under the direction of Mr. Allen Eaton, of the Russell Sage Foundation.

"Printed Page and the Public Platform, a Study of the Relation of Reading to Forums and Discussions" is the title of a recent bulletin (Bulletin 1937, No. 27) issued by the Office of Education, Department of the Interior. This bulletin represents a cooperative effort, having been prepared by John Chancellor, Adult Education Specialist, American Library Association, with the assistance of Chester S. Williams, Assistant Administrator, Public Forum Project, Office of Education. It recognizes the important contribution which is being made by the libraries to forums and points ways of improving the collaboration.

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WASHINGTON
D. C.

AGRICULTURAL LIBRARY NOTES

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Air conditioning

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JONES, E. F. Estimating tables on air requirements and duct sizes for heating and air conditioning. Rev. ed. Chicago, Domestic engineering publications, 1936. 291 J713 1936

TOROK, E. Air conditioning in the home. New York, Industrial press, 1937. 291 T63

Anatomy, Histology

STOHR, P. A text-book of histology, arranged upon an embryological basis, by J. L. Bremer. Ed. 5. Philadelphia, Blakiston, 1936. 447 St6 Ed.5

TODD, T. W. Atlas of skeletal maturation. St. Louis, Mosby, 1937. 447 T56

Biography

FERCHL, F. Chemisch-pharmazeutisches bio- und bibliographikon, herausgegeben im auftrage der Gesellschaft für geschichte der pharmazie. v. l. Mittenwald, Nemayer, 1937. 119 F37

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THE NATIONAL CYCLOPAEDIA OF AMERICAN BIOGRAPHY. White's conspectus of American biography. Ed. 2. New York, White, 1937. 119 N21 Conspectus Ed. 2

Biology

HUNTINGTON, E. Season of birth. New York, Wiley, 1938. 442 H92

Bookkeeping

REGLI, W. E. A primer of bookkeeping for cooperatives. New York, 1937. Processed. 30.6 R26

*Requests which are sent to the library for the loan of items on this list should include the call number following the entry.

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- KASHYAP, S. R. Lahore district flora. Rev. and completed by A. C. Joshi.
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- KRUSSMANN, G., ed. Die laubgehölze. Berlin, Parey, 1937. 459.3 K94
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461.2 W57

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290 F322

Chemistry, Chemical engineering

- ADKINS, H. B. Reactions of hydrogen with organic compounds over copper-chromium
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- BARRON, H. Modern rubber chemistry. London, Hutchison, 1937. 305 B27
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- FINDLAY, A. A hundred years of chemistry. New York, Macmillan, 1937. 383 F49H
- HILDITCH, T. P., and HALL, C. C. Catalytic processes in applied chemistry.
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- NASSAU COUNTY EXTERMINATION COMMISSION, Freeport, N. Y. Mosquitoes. Freeport, 1937. 428 N18
- ROUBAL, J. Katalog coleopter (brouků) Slovenska a Podkarpatska na základě bionomického a zoogeografického a spolu systematický doplněk Ganglbauerových "Die Käfer von Mitteleuropa" a Reitterovy "Fauna germanica". v.1-2. Praha, Nakladem Učené společnosti Šafářikovy, 1930-36. (Práce Učené společnosti šafářikovy v Bratislavě. svazek 3, 16) 427 R752
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ALEXANDER, A. C. Koloa plantation, 1835-1935. Honolulu, Honolulu star-bulletin,
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DESCARTES DE G. PAULA, R. A soja como materia prima para industria. Rio
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284 B93
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DONALDSON, J. The dollar. New York, Oxford university press, 1937. 284 D71
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RUCKER, A. W. The thirty-year decline in commodity prices. New York, 1938.
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PRINCIPAL LIBRARY ACCESSIONS

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Methods of predicting growth of forest stands in the forest survey of the Lake states. 1938. 59 p. (Economic notes no. 9) Issued by Lake States forest experiment station, University farm, St. Paul, Minnesota. 1.9 F7625E

Principles of architectural planning for Forest service administrative improvements. By W. E. Groben. 1938. 59 p. 1.9 F765P

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Report on Chia plantings in 1937. By F. Rabak. 1938. 8 p. 1.9 P6991Ch

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CONGRESSES

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Seventh World Congress and Exposition of Aviculture, Cleveland, Ohio, July 28-August 7, 1939. Secretary: Mr. W. D. Termohlen, Agricultural Adjustment Administration, U.S. Department of Agriculture, Washington, D. C.

X Congresso Internazionale di Chimica, Roma, 15-21 Maggio 1938. Segreteria: Citta Universitaria, Piazzale delle Scienze, Istituto di Fisica, Roma, Italia.

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BIBLIOGRAPHY OF THE WRITINGS OF FAIRFAX HARRISON

Calling himself "A Virginia farmer", Mr. Fairfax Harrison wrote a book called "Roman Farm Management" in which he presented translations of agricultural observations of Virgil, Varro, and Cato. This most interesting book, published in 1913 by Macmillan Company, is very well known, but the extent of Mr. Harrison's other writings is not fully realized, many of them having been privately printed. It was therefore gratifying to find a bibliography of his writings in the William and Mary Quarterly (ser. 2, vol. 18, no. 2, April 1938, p. 242-250). The introduction preceding the bibliography contains the following comments on Mr. Harrison's historical and bibliographical work:

"In the death of Mr. Fairfax Harrison, the editors of the Quarterly have been deprived of a personal friend and students of Virginia history have lost an ardent champion..It is well known that Mr. Harrison originated the Virginia Historical Index. It was his conviction that an exhaustive analysis of a group of carefully selected volumes filled with source information concerning the history of Virginia would be of permanent value in stimulating the study of Virginia life. He selected the one hundred and twenty volumes to be indexed. At times, in the midst of the financial depression, when the difficulties in editing the Index made it seem impossible to complete the work without too great an expenditure, he stood by it courageously and always with cheerful words of encouragement. It was his hope, also, that by the publication of this Virginia index, other states might be led to prepare similar analyses of their valuable historical publications. The... list of his works shows the extent of the literary by-products of a life that was devoted in the main to professional and business pursuits.

"One characteristic with which all of his friends were familiar and which they regretted, was his extreme reluctance to publish his books in editions large enough to meet the demands of students and libraries. Most of the volumes in the ... list are not so widely known as they should be because they were never allowed to be placed on sale. Such a work as his Landmarks of Old Prince William marked a new era in the treatment of local history, not only in Virginia, but throughout the United States. He dignified local history by his scholarly and comprehensive view of it. He made it much more than a chronicle of the unvarying events in the life of a village or of a group of planters; it became, under his hands, a social and economic study of the first importance. So, also, in his genealogical works. Not content with the presentation of pedigrees, he included biographies and observations on the daily business and domestic life of the different representatives of the family he discussed. Such genealogies are as important to the student as Bruce's Economic History of Virginia in the Seventeenth Century. There is nothing quite like his books on horses; in the preparation of these several volumes he exhausted all the manuscript and printed resources on the subject. Perhaps no single topic in American life has been so zealously and completely depicted. Here is a subject that entered into the daily life of men as no other in America for three hundred years, left in as final a form as possible. Mr. Harrison's historical judgment was sound and impartial. The influence of his terse and picturesque style, and of his faithful and unbiased interpretation of events will remain with all seekers of the truth in history."

THE GEOGRAPHY OF READING, BY LOUIS R. WILSON*

A Review

This needed publication was made possible by a grant from the Carnegie Corporation of New York and the aid of the Illinois Emergency Relief Administration which made available a number of statistical assistants and an expert cartographer. It presents the findings of an extensive survey of the distribution of libraries and library resources in the various states and regions of the nation. It is intended to answer, or to suggest the answers, to the five questions: (1) What is the extent of inequality in access to libraries and library resources among the states and regions of the United States? (2) What relation does this inequality bear to variation in the distribution of social, educational, and cultural institutions and media for the communication of ideas in America? (3) Why does this disparity exist? (4) What is its significance? (5) What can be done to increase library resources where they are comparatively slight or do not exist at all? On the basis of the information presented in the tables, maps, and summaries, librarians, educators, publishers, and others engaged in the general task of disseminating ideas through print may be able to view their individual activities more realistically and to plan their future development with increased prospect of success. The title, *The Geography of Reading*, as the author says, calls for some explanation. It is not a geography, although certain aspects of geography have unquestionably influenced the distribution of reading facilities. Neither is it concerned with many of the aspects of reading with which the public usually associates the term. It is concerned with the geographical or spatial distribution of libraries, bookstores, magazines, newspapers, etc.; and maps are extensively used to present graphically the data concerning this distribution.

One of the most interesting chapters is Chapter XII dealing with Adult educational agencies and other cultural and recreational organizations. In it are included the following paragraphs regarding the adult education activities of the U. S. Department of Agriculture:

"The federal government has long carried on through its widespread agricultural extension service an extensive program of education in which, in 1936, 8,732 trained home and farm demonstration and other agents were engaged. In addition to these leaders, there are 400,000 or more voluntary workers involved in the service, who have been trained to direct meetings and lead discussions concerning various aspects of rural life. Those states and regions which are most rural have naturally the greatest number of these workers. Altogether it is estimated that 6,000,000 people are involved in the educational program of this service.

"Prior to the depression, this service was concerned primarily with agricultural, vocational, and domestic subjects; and the land-grant colleges and farm and home demonstration agents who directed it depended largely upon the publications of the U. S. Department of Agriculture, the land-grant colleges, and state departments of agriculture to supplement the educational

*Wilson, Louis R. *The Geography of Reading, a Study of the Distribution and Status of Libraries in the United States.* 481 p. Chicago, American Library Association [1938].

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aspects of their work. The enactment of legislation in recent years by the federal government for the stabilization of agriculture, for the relief of drought and flood areas, and for soil conservation, has extended the scope of this service. The establishment of forums and radio broadcasts for farmers, and the provision of other means of promoting study and discussion have likewise greatly broadened the interests of farm populations and have stimulated their demand for books and other library materials. The federal emergency adult education program has also tended to emphasize interest in cultural subjects such as art, music, drama, parent education, etc., as well as in vocational subjects. Where county libraries are established, close cooperation between this service and libraries has been maintained. But, unfortunately, there has not been available public library service which is well adjusted to the support of this broadened program of activities. Of the 2,896 counties which have agricultural extension agents, 268 (9 per cent), have complete library service; 1,493 (51 per cent), partial; and 1,135 (40 per cent), no service. Of the 1,679 counties which have home demonstration agents, 194 (11 per cent), have complete library service; 854 (51 per cent), partial; and 631 (38 per cent), none. Particularly noticeable, also, is the absence of library specialists from the list of specialists engaged in directing the service in the various states."

Another chapter of special interest in connection with the work of the U. S. Department of Agriculture is Chapter XIII, on Aspects of Geography and Population. In it are discussed some of the reasons why library facilities are so unequally accessible in different regions, particular attention being given to the reasons for the variation in two major regions composed of fairly homogeneous states, the South and the middle West. In the consideration of the causes which have produced variation within the nation as a whole, the following paragraphs regarding geographic aspects are of special interest:

"As a result of droughts, dust storms, and floods during the last half-decade, America has become acutely conscious of geographic conditions which affect men and institutions. It has been vividly reminded of the theory which many students of society have held, that the activities of a people are definitely related to the areas in which they live, and that the work of a people profoundly shapes their culture or civilization. The cultures of the mountaineer, the cowboy, the share cropper are influenced by the mountain ridges and valleys, the ranches, and the cotton belt from which they have sprung...

"Knowledge of submarginal land, of soil erosion, of mountain, plateau and highland, of wide areas of limited rainfall has widely multiplied, and state and federal legislation has been directed increasingly to situations which are incident to these geographic conditions. Subsistence farming, resettlement projects, purchase of lands for reforestation, and withdrawal of submarginal areas from settlement have assumed an importance hitherto unknown in state and national planning. When they are considered in relation to statistics of relief, they make clear the fact that public services such as

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schools and libraries cannot be maintained in certain areas by means of local resources. If they are to be maintained at an adequate level, it is necessary that their support be supplemented by funds from other areas which possess abundant economic resources."

The last chapter is devoted to conclusions and recommendations. Of the ten recommendations, the three which directly concern the work of the U. S. Department of Agriculture are given below:

6. "The point at which the library movement in the United States has been least successful is that at which it has undertaken to extend library service into predominantly rural farm areas. It is exactly in that place that the school and the church have experienced their greatest difficulties. The library, the school, the church are confronted alike with aspects of the same problem. Their efforts to solve it singly have been generally unavailing. It is only when it is attacked jointly, as it is in some states where the county library has been developed, that the results are satisfactory. It is important, therefore, for these institutions to make a common attack on the problem with the cooperation of the county and state health and education officers, the county, state, and federal farm and home demonstration agents, the rural sociology and extension departments of the land-grant colleges and universities, and the farm, adult education, and civic organizations interested in the enrichment of rural life. Altogether they constitute a group whose potential total service to rural America has been as yet only dimly visualized.

8. "The card, bibliographical, and interlibrary services of the Library of Congress, and of other libraries of the federal government, have been of such great importance to scholars and investigators in every part of the nation that generous provision should be made for their extension and support. These resources, so essential to the solution of problems inhering in the agricultural, industrial, and cultural development of America, should be developed in such a manner and to such a degree as to reduce the great inequalities now limiting the effectiveness of research in many areas.

9. "The final measure proposed is the assumption by the state of responsibility for library as well as for school service, with aid from the federal government appropriately safeguarded. Variation in economic ability, the shift in the point at which taxes are collected, the trend of cities to recruit themselves from rural areas, the fact that the United States is a democracy and that its stability rests upon the intelligence and understanding of all its people - these facts lead to the conviction that if equalization of library resources is to be achieved, it can best be done through state and federal participation rather than through complete dependence upon local support. Unless support is provided in this fashion, the geography of reading in the United States will continue to show areas in which the transmission and cross fertilization of ideas, so dependent upon the distribution of print,, cannot be effectively achieved."

INTERNATIONAL INSTITUTE OF AGRICULTURE LIBRARY

The International Institute of Agriculture has recently issued for the XIVth General Assembly (23 May 1938) a Report of the Secretary General on the services and administration of the Institute, including a report on the Library, from which the following extracts are taken:

"An 'international list of agricultural libraries and documentation centres' is being prepared for publication. This work is based on the replies to a questionnaire, which was issued in six different languages and of which 2,200 copies were distributed to all the agricultural libraries of which the addresses could be found. The wording of the bilingual text of this work has already been completed for a great number of countries. This list, which will be the first of its kind, will appear in 1938.

"The Library has made an enquiry into the various international institutions and organisations which deal with agriculture or one of its branches, requesting information as to their statutes and the scope of their activities. On the basis of the material obtained a special card-index and file, which will continually be kept up to date, have been started to deal with these international organisations.

"In January 1937 a volume of 84 pages entitled 'Survey of current bibliographies on agriculture and allied subjects' was published... The list is the result of collaboration with the International Committee of Agricultural Librarians... A German edition of this work, prepared by the Librarian, has appeared as a special number (Sonderheft 131) of the review 'Berichte über Landwirtschaft', which is published under the auspices of the Ministry of Agriculture of the German Reich. The title of the German edition is 'Die Schrifttumsnachweise der Landwirtschaftswissenschaft'...

"As usual, the Library has contributed regularly to the technical and economic bulletins of the Institute, in the form of the sections entitled 'Publications received by the Library'. Under this heading it is not only a selected list of important monographs recently acquired that is given, but also at quarterly intervals, a complete list of all the new periodicals registered...

"In 1936 there was prepared and distributed a multigraphed list of the numbered bulletins (mostly emanating from the agricultural research stations of the Anglo-Saxon countries) which are regularly received by the Library. This list, which contains a total of 365 titles, forms a very useful supplement to the provisional catalogue of periodicals compiled in 1935...

"The task of keeping the 'Lubin Archives', previously deposited in the office of the United States Delegate, has been entrusted to the Library. As is well known, these 'Archives' contain all the official correspondence and other documents dealing with the work of David Lubin...

"The grand total of the works possessed by the Library at the end of 1937 was 317,222. From the statistical point of view, these works are classified in various groups, namely, volumes properly so-called, 101,863, pamphlets forming part of the collection of books, 49,669, maps and atlases, 554, pamphlets forming part of the collection of reprints and pamphlets (C.E.), 28,736, and volumes of periodicals, 136,400... The total number of periodicals and numbered bulletins actually received during 1937, 3,406."

MISCELLANY

"Der Stand der landwirtschaftlichen Bibliographie und ihre Bedeutung für die internationale geistige Zusammenarbeit" (The situation of agricultural bibliography and its significance for the international intellectual cooperation), by Dr. Sigmund von Frauendorfer, Librarian of the International Institute of Agriculture, is the leading article in the Internationale Agrar-Rundschau for May 1938. The summary in English is as follows:

"The author, an expert of international standing in the field of agricultural bibliography, starts by describing the immense growth of scientific and popular agricultural literature in the course of the last fifty years. This wealth of materials has led to a great development of bibliography as an indispensable resource of science. After describing the various types of bibliographies, the author reviews the present development of agricultural bibliography which, as a whole, presents a picture of confusing variety. Activities are very much divided and very often unnecessary double work is done. On the other hand, the literature of the smaller countries and of the less known languages is greatly neglected. The total number of bibliographies of interest to agriculture is estimated by the author at 208, of which 51 are German. Altogether, the great majority of bibliographies appear in the larger countries, and besides Germany, especially Great Britain, the United States and France have accomplished valuable work. It has proved of great advantage that agriculture owns in the International Institute at Rome a central organ of official character; here, the 'International Bibliography of Agricultural Economic Literature' is compiled, which handles the literature of all languages equally and impartially. Finally, the author pleads for an international standardization of agricultural bibliography and for closer international cooperation."

"The Development of American Rural Fiction", an article in "Agricultural History" for January 1938, and "Rural Fiction Goes Sociological", an article in Rural America for May 1938, both by Caroline B. Sherman, are two very interesting additions to the studies which Miss Sherman has made of American rural fiction. The summary with which she concludes the first article is given below:

"In the twenty or thirty years of its development American rural fiction has weathered discouragement, obscurity, and neglect. It has survived precocious prize-taking, popularity, and praise. Years ago it reached the stage where its supporters demanded as much of these books as of any other school of fiction, not only in characterization and description but in insight, revelation, and craftsmanship. It has brought the American past and ways of growth or deterioration clearly before us and interpreted them in everyday terms. It is now wrestling with the disasters and challenges of a new era in farm life as few other kinds of books are doing. These subjects are too raw as yet to be readily moulded into esthetic forms, but rural novelists are determined to succeed. Thus farm-life fiction serves the past, the present, and the future."

MISCELLANY
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"Wendelin Grimm and Alfalfa", by Everett E. Edwards and Horace H. Russell, an article in "Minnesota History" for March 1938, and "T. L. Haecker, the Father of Dairying in Minnesota", an article by Everett E. Edwards, contained in "Minnesota History" for June 1938, are two valuable studies showing the contributions which the men referred to have made to American agriculture.

"Minnesota Farmers' Diaries", by Rodney C. Loehr, and "Agricultural Periodicals" by Everett E. Edwards, contained in "Minnesota History", vol. 17, 1937, deal with the value of such diaries and periodicals as sources for the study of Northwest history. The Minnesota Historical Society is fortunate in having not only a relatively large number of farmers' diaries but also a number of farmers' account books, letters, and memoirs. Complete or partial files of the three Minnesota agricultural periodicals described by Mr. Edwards are contained in the Minnesota Historical Society and the Library of the Department of Agriculture, University of Minnesota. A complete file of one of them, i.e., "Minnesota Farmer and Gardener", Nov. 1860-Apr. 1862, and incomplete files of the other two, "Minnesota Monthly" and "Farm, Stock and Home" are contained in the U.S. Department of Agriculture Library.

The Proceedings of the 51st Annual Convention of the Association of Land-Grant Colleges and Universities, held in Washington, D.C., Nov. 14-17, 1937, which have just been issued, are of special historical interest. Five of the programs were entirely historical in character, devoted as they were to the commemoration of the 75th anniversary of the First Morrill Act and of the establishment of the U. S. Department of Agriculture, and the 50th anniversary of the Hatch Act. Biographical addresses were presented on George Washington, Thomas Jefferson, Abraham Lincoln, Thomas G. Clemson, Senator Justin Morrill, Jonathan Baldwin Turner, and Col. W. H. Hatch. Other papers presented at sectional meetings of the convention gave surveys of the accomplishments or changes of the past 50 or 75 years, such as the paper on "Trends in Agricultural Research" by Dr. H. J. Patterson, the one by Dean Joseph J. Hills entitled "Looking Backward and Forward", and the one by Dr. Eugene Davenport entitled "An Adventure in Education".

Mr. Howard P. Barss, Office of Experiment Stations, has recently compiled data giving the comparative expenditures for agricultural and industrial research in the United States. His findings have not been published but it is interesting to note that they are available in microfilm or photo-print form as Document 1062 from the American Documentation Institution.

The two articles by Dr. C. A. Browne in the Journal of the Washington Academy of Sciences for May 15, 1938, one entitled "Dr. Thomas Antisell and his associates in the founding of the Chemical Society of Washington", and the other entitled "The Chemical Society of Washington and its part in the reorganization of the American Chemical Society", have an interest in the history of the U.S. Department of Agriculture, as Dr. Antisell who is referred to in the first article was the third chemist appointed by the Department, and Dr. H. W. Wiley, to whom many references are made in the second article, was head of the chemical work of the Department during a later period, from 1883 to 1912.

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Correction

In Agricultural Library Notes for June 1938, page 306:

Omit Miller, F.J. Fence posts a million-dollar crop in Michigan. tables. Jour. Forestry 36: 525-527. May 1938.

Substitute Miller, F. J. The influence of mycorrhizae on the growth of shortleaf pine seedlings. table. Jour. Forestry 36: 526-527. May 1938.

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* Under the supervision of I.O.Garodnick, Instructor of modern languages.
 ** Under the supervision of S.T.Ballenger, Assistant professor of modern languages.
 *** Under the supervision of L.E.Hinkle, Professor of modern languages.
 **** Previous numbers in this series are on file in the Library of the U. S. Department of Agriculture.

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"Early Literature of Tobacco" by George Arents, Jr., is the opening article in the South Atlantic Quarterly for April 1938, p. 97-107. It is an address which he delivered at a dinner for the Southern Historical Association at Duke University, Nov. 18, 1937. It will be remembered that his collection of books on the history of tobacco was recently exhibited at the Library of Congress.

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- GARLAND, J. Organization manual for community home demonstration clubs and county home demonstration councils. (Miss. State Col. Ext. Circ. 93, rev.) State College, 1938.
- 4-H club camp handbook. (Miss. State Col. Ext. Circ. 98) State College, 1938.
- MIDKIFF, O. Stain removal. (Miss. State Col. Ext. Circ. 99) State College, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1938
(continued)

Missouri

- ROHDE, C. E., and HUFF, K. B. Poultry house remodeling. (Mo. Agr. Col. Ext. Circ 384) Columbia, 1938.
Health club project, record book. Mo. Agr. Col. Ext., 1937. Columbia.

New Hampshire

- HEPLER, J. R. Cabbage. (N. H. Univ. [Agr.] Ext. Circ. 212) Durham, 1938.
HEPLER, J. R. Squash. (N. H. Univ. [Agr.] Ext. Circ. 213) Durham, 1938.

New Jersey

- BENDER, C. B., and TUCKER, E. H. Ensiling green crops with molasses. (N. J. Agr. Col. Ext. Bul. 198) New Brunswick, 1938.
Supersedes Ext. Bul. 178.

New York

- CROSBY, C. R., and others. The control of diseases and insects affecting vegetable crops on Long Island. (N. Y. Agr. Col. (Cornell) Ext. Bul. 278, rev.) Ithaca, 1938.
Fruits recommended for New York. (N. Y. Agr. Col. (Cornell) Ext. Bul. 390) Ithaca 1938.
Revised ed. of N. Y. State Agr. Expt. Sta. Circ. 103.

North Dakota

- DAWSON, R., and others. Homemade pickles and relishes. (N. Dak. Agr. Col. Ext. Circ. 162) State College Station, Fargo, 1938.

Ohio

- PARKS, T. H., and PIERSTORFF, A. L. The control of garden insects and diseases. (Ohio Agr. Col. Ext. Bul. 76, 8th ed. [rev.]) Columbus, 1938.
WUICHET, J. W. Pork production in Ohio. (Ohio Agr. Col. Ext. Bul. 78, 6th ed., rev.) Columbus, 1938.
LAURIE, A. Garden roses. (Ohio Agr. Col. Ext. Bul. 95, 4th ed., rev.) Columbus, 1938.
TUSSING, E. B., and others. Growing vegetable seedlings. (Ohio Agr. Col. Ext. Bul. 103, 4th ed. [rev.]) Columbus, 1938.
LANCASHIRE, E. R. Home gardening. (Ohio Agr. Col. Ext. Bul. 116, 8th ed., rev.) Columbus, 1938.
PARKS, T. H. Control of termites in buildings. (Ohio Agr. Col. Ext. Bul. 143 [rev.]) Columbus, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JUNE 1938

Ohio (continued)

- DODD, D. R., and SALTER, R. M. Better pastures for Ohio livestock. (Ohio Agr. Col. Ext. Bul. 154, rev.) Columbus, 1938.
- DUNHAM, W. E. Package bees for honey production. (Ohio Agr. Col. Ext. Bul. 159, rev.) Columbus, 1938.
- WALLACE, B. A. How easy are "easy payments"? also "Loans at legal rates". (Ohio Agr. Col. Ext. Bul. 161, rev.) Columbus, 1938.
- JONES, E. Liming Ohio soils. (Ohio Agr. Col. Ext. Bul. 177, 2d ed. rev.) Columbus, 1938.

Pennsylvania

- WHITE, W. R. Knots and splices. (Penn. State Col. Ext. Circ. 194) State College, 1938.
- MORTON, F. E. Rug making becomes an art. (Penn. State Col. Ext. Circ. 195) State College, 1937.

South Carolina

- HAMILTON, R. W., and PRICHARD, B. E. G. The cotton contest - 1937: for better yield and staple value. (Clemson Agr. Col. (S. C.) Ext. Circ. 162) Clemson, 1938.

Texas

- CLAYTOR, B. Bed rooms of comfort. (Tex. Agr. Col. Ext. [Bul.] B-75 [rev.]) College Station [1937?]
- Food to protect the health of your family. (Tex. Agr. Col. Ext. [Leaflet] L-18) College Station [1938?]
- WILLIAMSON, H. H., and others. Texas extension work, 1937. Tex. Agr. Col. Ext., 1938. College Station.

Washington

- WALKER, H. M. Demonstrations; the extension service method of teaching for 4-H clubs. (Wash. State Col. Ext. 4-H Club Circ. 49) Pullman, 1938.
- CAGLE, A. J. Factors affecting poultry profits, based upon the analysis of Washington poultry records. (Wash. State Col. Ext. Poultry Pointers 31) Pullman, 1938.

Wisconsin

- BIRONG, E. M. Color and design in dress for girls. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered]) Madison, 1938.
- 4-H colt club work; projects 1, 2, and 3. (Wis. Agr. Col. Ext. Spec. Circ. [unnumbered] [rev.]) Madison, 1938.

NOTES ON PERIODICALS

New, Changed and Discontinued

- American architect and architecture. New York. Ceased with v. 152, no. 2666, Feb. 1938. Absorbed by Architectural record, March 1938.
- American kosher butcher weekly. 147 W. 42d St., New York. f^o. il. v. 1, no. 1, Mar. 11, 1938. \$4.00 a year. In English and Yiddish (tables the same; text different)
- American tung oil. Pensacola, Fla. Ceased with Nov./Dec. 1937, v.4, no. 7. Absorbed by Southern conservationist, Jan. 1938.
- Asociación venezolana de productores de cacao. Boletín. Caracas. Ceased with ano. 2, no. 15/16, Mar./Apr. 1937.
- Boletim veterinario. (Editado e dirigido pelo Medico veterinario Delphin de Mesquita Barbosa) Caixa Postal, 848, Porto Alegre, Rio Grande do Sul, Brasil. mo. 4^o. anno 1, no. 7, July 1938. Free.
- Brooklyn institute of arts and sciences. Botanic garden. Leaflets. Brooklyn, N. Y. Revivied with series 25, no. 1, March 9, 1938.
- Chinese cotton bulletin. [n.p.] Publication suspended with v.3, Dec. 1936.
- Colombia. Departamento de Caldas. Sección de agricultura y ganadería. Revista agropecuaria. Manizales. mo. 8^o. ano 3, no. 14/15, Mar. 1938. Free.
- Czechoslovak Republic. Státní úřad statistický. Statistický zpravodaj. Statistische nachrichten. Bulletin statistique. Prag. VII, Bělského tř. 2. mo. 4^o. jahrg. 1, nr. 1, Jan. 1938. Replaces Vorläufigen mitteilungen (Předbežné zpravy)
- The Dairyman's monthly review. Cincinnati. Ceased. Last received in Library, v. 15, no. 4, Apr. 1937.
- Der Deutsche farmer. St. Paul, Minn. Ceased with jahrg. 28, no. 13, July 1, 1937.
- Electrical ruralist. Cleveland, O. Ceased with v. 1, no. 7, Nov. 1937.
- Farming in Gloucestershire. St. Aldate Chambers, Gloucester, Eng. quar. 8^o. il. v. 1, no. 1, Apr. 1938. 1s.4d. a year. Supersedes The Gloucestershire farmer.
- The Holstein-Friesian journal. Donovan publications, 184 Adelaide Street West, Toronto, Canada. mo. f^o. il. v. 1, no. 1, Apr. 1938. \$1.00 a year.
- India. Malaria survey. Records of the Malaria survey of India. Calcutta. Ceased with v. 7, Dec. 1937. Continued by Journal of the Malaria institute, v. 1, no. 1, March 1938.
- Institute for propaganda analysis, inc., New York. Special letters on the channels of communication. 132 Morningside Drive, New York. irreg. 4^o. no. 1, May 16, 1938. Supplied to subscribers of Monthly letter, \$2.00.
- Jornal de agricultura, quinquenário da lavoura e para a lavoura. Rua S. José. 83 -4^o andar, Rio de Janeiro. f^o. il. anno 3, no. 31/32, March 15, 1938. 10\$000 a year.
- International institute of agriculture. Government measures affecting agricultural prices. Rome. Ceased with year 3 (no. 12), 1937. Beginning Jan. 1938, the information will be incorporated each month in the Monthly bulletin of agricultural economics and sociology.

NOTES ON PERIODICALS
(continued)

- Journal of coconut industries. Ceylon coconut Board, Queen Street, Colombo, Ceylon. quar. 8°. v. 1, no. 1, Sept. 1937. An. sub. Rs. 2.60.
- Kertészeti szemle. Budapest, XIV. Egressy-út 73. mo. 8°. il. évf. 9, szám 1, Jan. 1937. 1 year, 3 pengó. Az országos magyar kertészeti egyesület hivatalos lapja (National Hungarian horticultural society official gazette)
- The Malaria institute of India. Journal. Thacker, Spink & Co., Ltd. P. O. Box 54, Calcutta, quar. 8°. plates. v. 1, no. 1, March 1938. 11s. 3d. per vol. Supersedes Records of the Malaria survey of India.
- Der Naturforscher. Berlin. Changed to Aus der natur with jahrg. 15, hft. 1, Apr. 1938.
- The New Mexico stockman. 211 West Gold Avenue, Albuquerque, New Mexico. mo. f°. il. v. 3, no. 1, Jan. 1938. \$1.00 a year.
- New South Wales. State marketing bureau. Monthly marketing review. Sydney, Australia. 8°. v. 1, no. 1, Apr. 1937. No price given.
- Norbest news. Salt Lake City. Changed to Norbest turkey news, with v. 2, no. 11, May 1938.
- Ornithologische monatschrift. Gera [etc.] Changed to Deutsche vogelwelt. Berlin, with jahrg. 63, hft. 1. [Jan.?] 1938.
- The Pest control monthly. 1543 Sunset Boulevard, Los Angeles, California. 12°. il. v. 1, no. 1, Nov. 1937. Price not given.
- Petermanns mitteilungen aus Justus Perthes' geographischer anstalt. Gotha. Changed to Petermanns geographische mitteilungen with jahrg. 84, hft. 1, Jan. 1938.
- Portugal. Instituto nacional de estatística. Boletim...Comércio externo. Lisboa, mo. 4°. no. 1, Jan. 1938. No price given. Received with its Boletim mensal.
- Rand McNally bankers monthly. Chicago. Changed to former title: Bankers monthly, New York, with v. 55, no. 1, Jan. 1938.
- Revista de estadística. Mexico City. (Dirección, Departamento autónomo de prensa y publicidad) mo. 4°. v. 1, no. 1, Mar. 1938. \$6.00 a year. Supersedes Revista de economía y estadística.
- La Revista economica sudamericana. Montevideo. Changed to Unión industrial Uruguay. Revista, with 3. epoca, ano 39, no. 1, Oct. 1937.
- Re-vue. New York. Ceased with v. 1, no. 4, Sept. 1937.
- Rio Grande do Sul, Brazil (State) Secretaria de estado dos negócios da agricultura, indústria e comércio. Secção de investigação, informações e publicidade. Boletim. Porto Alegre, Brasil. irreg.? 8°. il. no. 50. No price given. (no. 50 is dated Apr. 1937; no. 55, Mar. 1937)
- La Romagna agricola e zootecnica. Ravenna, Italy. Ceased with anno 31, no. 24, Dec. 31, 1937.
- The S. T.F.U. news. Southern tenant farmers' union. Box 5215, Memphis, Tenn. mo. f°. v. 1, no. 1, Apr. 1938. No price given. Mimeographed. To replace the Sharecroppers' voice until such time as that publication can be resumed.

NOTES ON PERIODICALS

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- Saar-pfälzische bienenzeitung. Kusel. Ceased with jahrg. 78, no. 15, Mar. 1938.
 Absorbed by Die Biene und ihre zucht with Apr. 1938.
- Scenic trails. Aurora, Ill. Ceased with v. 1, no. 6, Jan. 1938.
- La Semaine economique. Paris, 282, Boulevard Saint-Germain. 4^o. no. 45,
 Apr. 25-May 1, 1938. Single copy, 1 franc, no other price given. Received
 with subscription to L'Observation economique. Processed.
- Sociedad agricola del Norte, La Serena, Chile. Boletin. Changed to El Agri-
 cultor del Norte with ano 25, no. 2, Feb. 1938.
- South African farmer; die Suidafrikaanse boer. Pretoria. Ceased with v. 11
 (no. 511), Dec. 17, 1937.
- The Southern California rancher. Philip S. Rush, publisher, P. O. Box 302,
 San Diego, Calif. mo. f^o. il. Oct. 1936 (v. 1, no. 10?). Price not given.
- Successful rabbit breeding. Kalamazoo, Mich. Ceased with v. 14, no. 7(?),
 (May?) 1937. Absorbed by Small stock magazine, July 1937.
- Suddutsche landwirtschaftliche tierzucht. München und Hannover. Ceased with
 jahrg. 31, no. 36, Dec. 25, 1937. Beginning Jan. 1938, combined with
 Deutsche landwirtschaftliche tierzucht.
- Tax administrators' news. Federation of tax administrators, 850 East fifty-
 eighth Street, Chicago. mo. 4^o. il. v. 1, no. 1, Oct. 1937. No price
 given. Processed.
- The Tennessee valley farmer. Tennessee Valley publishing co., inc., 138 Third
 Ave. N., Nashville, Tenn. mo. f^o. il. v. 1, no. 8, Jan. 1938. Two years,
 50 cents.
- Tokyo. Chamber of commerce and industry. The monthly report on current
 economic conditions. Tokyo. Ceased with March 1937 (v. 10, no. 1)
- U. S. Surgeon general's office. Library. Recent book acquisitions. Washington,
 D. C. irreg. 4^o. v. 1, no. 1, 9 Apr. 1938. Mailed to those who request
 their names kept on the mailing list. Address inquiries and requests to
 the Librarian, Army Medical Library, 7th St. and Independence Ave., S.W.,
 Washington, D. C.
- United States golf association. Green section. Turf culture. [Washington,
 D.C.] Ceased. None published since v. 1, no. 6, Dec. 1936.
- The Westerner. The Record stockman publishing company, 1820 Curtis St.,
 Denver, Colo. mo. f^o. il. v. 1, no. 1, Mar. 1938. 50 cents a year;
 3 years for \$1.00.
- Die Zellstoff-faser. (Monatliche beilage zu Wochenblatt für papierfabrikation...)
 Biberach-Riss. Ceased. Last issue received in library, jahrg. 33, nr. 11/12,
 Dec. 1936.

Correction

World today; Encyclopaedia britannica, N. Y. Discontinued with v. 5, no. 4,
 Apr. 1938 instead of with v. 4, no. 5, as given in the May issue of Agri-
 cultural Library Notes.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

of the U. S. Department of Agriculture
received during June, 1938, exclusive of bibliographies*
and current issues of serials.**

Agricultural Adjustment Administration

The marketing problem of the apple industry; prepared for conference of extension specialists representing commercial apple producing states. June 1938. 18 p. Issued by Division of marketing and marketing agreements, General crops section. 1.94 Sp3Mpr

Possible further methods of regulating market supplies. Talk by Mr. P. R. Taylor at Apple conference held June 6, 1938. 9 p. Issued by Division of marketing and marketing agreements, General crops section. 1.94 Sp3Po

Questions and answers; 1938 AAA farm program; North central region. June 1938. 20 p. Issued by North central region. 1.42 N75Q

Bureau of Agricultural Economics

Advertising programs for farm products. By J. L. Apodaca. 1938. 4 p. Address, meeting of State extension directors, Washington, D. C., June 7, 1938. 1.9 Ec752Ad

The apple export situation and the trade agreements program. By A. C. Edwards. 7 p. Address, Apple conference, Dept. of agriculture, Washington, June 6-7, 1938. 1.9 Ec753A

Carlot shipments of fruits and vegetables from stations in the United States, calendar year 1936. June 1938. 73 p. 1.9 Ec741Csf

Cotton marketing in the irrigated southwest. By J. W. Wright and J. R. Kennedy. 1938. 73 p. 1.9 Ec733 Cma

Cotton spinning tests and related fiber studies in the U. S. Department of agriculture. By M. E. Campbell. 1938. 10 p. Address, Annual convention of the Southern textile association, Blowing Rock, N. C., June 17, 1938. 1.9 Ec733Cst

Estimates of apple production. By R. Royston. 7 p. Address, Meeting of State extension directors, Washington, D. C., June 6, 1938. 1.9 Ec71Ea

Farm-mortgage recordings by states. Kentucky (6 p.); Louisiana (8p.); North Carolina (7 p.); Rhode Island (4 p.); South Dakota (8 p.) 1938. 1.9 Ec78Fmr

Farm population estimates. Jan. 1, 1938. Released June 16, 1938. 15 p. 1.9 Ec763 Fap

* Bibliographies included in general list of bibliographies on page 411.

**For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF MICROGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

- The land program. Address at dedication of Magazine Mountain, Ark., Land utilization project, April 28, 1938. 7 p. By C. F. Clayton. 1.9 Ec793A
- Livestock, meats, and wool market statistics and related data. 1937. Comp. under the direction of E. M. Jordan. 1938. 86 p. 1.9 Ec713Ls
- Present federal and state legislation pertaining to apple grades and standardization. For use of a conference of extension representatives from the important apple-producing states, Washington, June 6 and 7, 1938. By W. A. Sherman. 10 p. 1.9 Ec741Pf
- Production trends and long-time outlook for apples. By G. Burmeister. Address, meeting of State extension directors, Washington, D. C., June 6, 1938. 4 p. 1.9 Ec752Prt
- Quality of cotton ginned in Oklahoma, crops of 1933-36. By J. L. McCollum, F. E. Nelson, and C. C. McWhorter, June 1938. 38 p. In cooperation with Oklahoma Agricultural experiment station. 1.9 Ec733Qo
- Research on relationships of weather to crop yields. Papers relating to objectives and progress of crop-weather research. June 1938. Comp. by C. F. Sarle. 60 p. 1.9 Ec71Res
- Seventy-fifth anniversary of the United States crop reporting service (1863-1938) May 1938. 21 p. 1.9 Ec71Sef
- State agricultural departments and marketing agencies with names of officials. June 1938. 6 p. 1.9 Ec731St
- Tobacco market review - Type 12. Eastern North Carolina flue-cured, 1937-38 season. Feb. 17, 1938. 4 p. 1.9 Ec714T Type 12
- Tobacco market review. Virginia fire-cured-Type 21; Eastern district fire-cured-Type 22; Western district fire-cured-Type 23; Northern fire-cured or Henderson Stemming-type 24; Summary all fire-cured-Types 21-24. 1937-38 season. June 23, 1938. 16 p. 1.9 Ec714T Type 21-24
- United States standards for rough rice as amended, effective May 26, 1938. 13 p. 1.9 Ec74Rr

Bureau of Agricultural Engineering

- The relation of mechanical harvesting to the production of high grade cotton. By C. A. Bennett. 1938. Address before 32nd annual meeting of American society of agricultural engineers, June 29, 1938, Asilomar, Pacific Grove, Calif. 5 p. 1.9 En36R

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
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Bureau of Animal Industry

- Infectious equine encephalomyelitis. By L. T. Giltner and M. S. Shahan.
May 1938. 9 p. Issued by Pathological division. 1.9 An561e
- Outline for conducting a scrub-sire trial. By D. S. Burch. Rev. 1938.
20 p. Issued by Editorial office. 1.9 An50ut

Commodity Exchange Administration

- Iowa, Nebraska and Kansas trading in Chicago futures at the close of business
on September 29, 1934, by H. S. Irwin. Nov. 1937. 40 p. (CEA-15) 1.9 C73C

Bureau of Chemistry and Soils

- General information on the freezing preservation of fruits and vegetables.
By J. A. Berry and H. C. Diehl. 1938. 3p. (MC-30) 1.9 C49Mc
- New product uses for apples. 1938. 12p. Issued by Food research division.
1.9 C4925Np

Bureau of Dairy Industry

- Carotene content of market hays and corn silage as determined by a quantitative adsorption procedure. By L. A. Shinn and others. 1938. 10 p.
Issued by Division of nutrition and physiology. 1.9 D142Cac
- The relative value of alfalfa hay and a mixture of concentrates for milking
cows. By T. E. Woodward. 1938. 7 p. (BDIM-824) Presented at summer
meeting of the American association for the advancement of science,
Ottawa, Canada, June 29, 1938. 1.9 D14Bd
- Whey solids in candy. By B. H. Webb. 1938. 5 p. (BDIM-825) 1.9 D14Bd

Extension Service

- Participation in home-economics extension and effectiveness of the program;
a study of 210 rural families in Spokane and Skagit counties, Washington,
1936, by G. Gallup and M. E. White. June 1938. 54 p. (Extension service
circular 285) 1.9 Ex392Esc

Forest Service

- Design and construction of stabilized soil roads. 1938. Prepared by Division
of engineering. 88 p. 1.9 F765D
- Factors affecting the extent of defects in certain upland hardwoods on the
Clark purchase unit in Missouri. Preliminary report and analysis of data
by G. A. Limstrom and J. G. Kuenzel. March 1937. Issued by Central states
forest experiment station, Columbus, Ohio. 46 p. 1.9 F76252F

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Forest Service (continued)

Forest areas and timber volumes in the Lake states. Preliminary statistics and analysis of data obtained from forest surveys. 1938. 84 p. (Economic notes no. 10) Issued by Lake states forest experiment station, University farm, St. Paul, Minn. 1.9 F7625 E

The nation-wide forest survey. Prepared by R. D. Carver. June 2, 1938. 8 p. 1.9 F769N

Research on wood, cellulose, and lignin. By E. C. Sherrard. Madison, 1938. 5 p. Presented before National farm chemurgic council, Omaha, Nebr., Apr. 25-27, 1938. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Res

Schools with courses leading to a degree in forestry. Rev. July 1, 1937. 7 p. 1.9 F76Sch

Seventeenth Annual report, Jan. 1, 1937 - Dec. 31, 1937. New Orleans, 1938. 33 p. Issued by Southern forest experiment station, New Orleans, La. 1.9 F7624

Some common fallacies about wood. Madison, 1938. 3 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Sc

Tire-tube method of fence post treatment. By G. M. Hunt and R. M. Wirka. Issued April 1938. 12 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Ti

When and how to paint homes and farm buildings. By F. L. Browne. Rev. May 1938. Madison, 1938. 14 p. Issued by Forest products laboratory, Madison, Wis. 1.9 F761Whe

Bureau of Plant Industry

Some production factors affecting apple marketing. By J. R. Magness. June 15, 1938. 3 p. Issued by Division of fruit and vegetable crops and diseases. 1.9 F772Spf

Soil Conservation Service

Channel waves subject chiefly to momentum control. By R. E. Norton. Contribution from Division of research, Soil conservation service and Norton hydrologic laboratory, Voorheesville, N. Y. May 1938. 51 p. (SCS-TP-16) 1.96 R31C

Research studies in hillculture as a part of the soil conservation program. By H. E. Reddick. 1938. 12 p. Paper delivered before American society of foresters, Pasadena, Calif., Feb. 21, 1938. 1.9610 R31

SCIENCE IN THE LIBRARY

The following article by L. H. Kirkpatrick, Librarian of the Utah State Agricultural College, is reprinted from Science, vol. 88, no. 2271, p. 34:

"Magazines and the serial publications of learned societies are the most essential library tool of the scientist. Next in importance are the indexes and abstracting journals. Then come government documents, and last of all come books.

"Any chemist knows that books in his field are nearly always a year behind the times. The material upon which the volume is based probably appeared in magazines six months before the manuscript went to press. By the time the library has ordered and catalogued the volume it is at least a year behind the material which is available in magazines. To repeat, any chemist knows this. However, librarians and non-scientists need to be reminded of this occasionally.

"Similarly a magazine may contain some poor material, but over a period of years much worthwhile material of value to people in many fields is included. Likewise, the editing board of a magazine is less likely to be interested in sales than is a book company. Hence a book may have been selected with an eye to its use as a text-book. When such a volume is purchased, its value is limited to those in certain classes and fields. If it is poor in part, it is likely to be poor in whole. In other words, it takes less good judgment to buy basic magazines than it does to select books.

"However, scientific magazines are costly. No professor can afford to purchase all the titles needed in his field. Furthermore, such items should be made available to his advanced and graduate students. Clearly the cost and responsibility must be accepted by the library.

"Occasionally, there is a temptation on the part of the librarian to accept the responsibility but to ask the science departments to share the cost. By some peculiar reasoning, librarians sometimes feel that titles used chiefly by English and sociology are of general interest, but that a title such as Chemical Abstracts will interest only chemists. It sometimes is easier for a scientist to check with his colleagues and to report interdepartmental use and interest in certain titles than it is for the library staff to do the same thing. Obviously if there is a general magazine budget a large number of scientific titles should be included. Equally obvious it is the job of the scientist to see whether or not this is being done.

"Indexes and abstracts have two values. In the small library they enable the scholar to prepare a bibliography of materials needed. Using them he can intelligently select material to request in interlibrary loan, to have photographed, or to have filmed for him. In the large library they save time which would otherwise have to be spent thumbing through annual indexes of individual titles.

"The man who seeks truth in the laboratory should be glad to cooperate with the librarian in establishing the relative value and necessity for the various indexes. Mutual understanding will help the scientist and the librarian in all phases of their work together.

SCIENCE IN THE LIBRARY

(continued)

"Documents, like reprints, are too frequently piled up in libraries, or else shoved into unclassified pamphlet boxes. Men interested in receiving these reports of experiments should consult with the library staff to see that a regular and systematic treatment is given this material. Scientists should be just as interested as librarians in discovering and reporting successful ways of handling these items.

"Any scholar worth his salt knows who the outstanding men in his field are. He knows, too, which laboratory centers are conducting experiments in which his students would be interested. When publications, reasonably priced, are announced by either of these two, he should not have to wait for a review or an examination copy to know the library should have the title in question.

"In the case of unknown men, who have not published either in magazines or in books which are familiar to the professor, or in the case of a series in which all the work has not been good, the instructor should wait for a competent review or else ask the library to order the book on approval. He should not order the book himself if he is doing it for the library. Most librarians will be glad to cooperate if they feel the instructor is trying to work with them, rather than attempting to work them.

"Last of all, it might pay scientists to remember that most librarians are not former science majors. They need occasional hints on the objectives and methods of science. When they ask questions about needs and orders, their inquiries should be regarded as a healthy interest and not as a challenge."

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INCREASE IN RURAL BOOK STATIONS

Ⓔ The Extension Service Review, vol. 9, no. 7, July 1938, states that "Twenty communities in Gaston County, N.C., now have book stations where rural people may obtain a large variety of reading matter," according to the report of Lucille Tatum, home demonstration agent. "Two home demonstration clubs, Sunnyside and New Hope, have charge of book stations in their sections. Schools, community houses, clubhouses, and libraries house the 20 stations. Circulation has increased monthly, jumping in the past 6 months from 2,919 volumes to 8,114 volumes. The use of a traveling 'bookmobile' has aided considerably in boosting circulation."

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MAXIMUM CONVENIENCE IN CITATIONS

The following article by Margaret C. Shields, of the Fine Hall Library, Princeton, New Jersey, is reprinted from Science, vol. 88, no. 2270, July 1, 1938, p. 11-12. (1)

"Through the years of my experience with scientific periodical literature, first as a student and then as a librarian, the conviction has been growing in me that the one thing which would do most to facilitate the use of libraries by research workers is a reform in the matter of citations. No one who has not sat behind a librarian's desk could guess the total time that is lost in fumbling over obscure references which might just as easily be right. Yet the same persons who are bothered by mis-citations feel obliged to perpetuate the identical handicaps because no other precedent is set them. A note on the subject at this time is prompted by the recent appearance of a new edition of an admirable handbook on the preparation of scientific papers by Professors Trelease and Yule (2) to which exception is to be taken on this one point only, the instructions and examples covering the question of abbreviations for periodical titles (pp. 85-95).

Approximately 75,000 titles are contained in the original edition of the Union List of Serials, thousands more will be added in the revised edition now in progress, and in even a fair-sized library catalogue there are several thousand. To find one's way about readily in this large territory of literature obviously requires a real technique, and since the cataloging of these serials throughout American libraries has been completely standardized by adherence to Library of Congress rules and this Union List, the test of a correct citation is clearly that it conform to their place in the finding list. The guidance principle in formulating a reference, in other words, is that it should begin with the word which is the key word in the catalogue. The following corollaries indicate the details of the way in which the principle works itself out.

(1) In the case of society, academy or university publications, the institution comes first and the title second. A conversational order is now generally followed, which it should be a simple matter to learn to invert when one approaches a catalogue. But actually it may be explained to a man that just as one looks for books, not under 'Introduction to...' or 'Vorlesungen über.....' but under the author, so one must expect in any catalogue to find the order:

Cambridge philosophical society.	Proceedings
National academy of sciences.	Proceedings
U. S. Bureau of Standards.	Bulletin
" " " "	Journal of Research
" " " "	Technical papers

yet none-the-less the same man will next time make a similar attempt to find the Comptes Rendus or Verhandlungen of his reference. It may even be that he is not given the corporate author at all. To one long since in-

(1) Several previous articles on this subject which have appeared in Science are listed in "References on Bibliographic Style in Literature Citations" in Agricultural Library Notes, vol. 1, no. 3, March 1926, p. 38.

(2) S. F. Trelease and E. S. Yule, "Preparation of Scientific and Technical Papers", 3d. ed. Williams and Wilkins, 1936.

MAXIMUM CONVENIENCE IN CITATIONS
(continued)

structed, Phil. Trans. alone may seem sufficient, but beginners with the desire to help themselves should not be subject to the embarrassment of admitting 'I can't find any Philosophical transactions. What are they?' An extreme case of this sort was recently encountered in a biological paper in the Journal of Applied Physics, simply 'Ber.' A look at the Union List suggested that this might be the biologists' jargon for his *Berichte über die gesamte physiologie*, properly a title entry. But checking and further search in Biological Abstracts revealed the fact that the reference is in fact to a Bericht which could be found in any catalogue under the entry *Deutsche chemische gesellschaft*. Another similar mistake is the frequent use of Ber. Ber. for *Preussische akademie d. wissens. Sitz. ber.*

This practice of using the catalogue order in abbreviations is now followed almost consistently by Science Abstracts, though apparently not by any of the other abstracting services. All the H. W. Wilson indexes of course use it, as do other major library tools. It may sound at first artificial to other than librarians, but its adoption would prevent much waste of effort and we do have precedent for our encouragement.

(2) An editor's name should be avoided unless it is officially in the title. E.g., not Poggendorff's *Annalen*, but *Ann. d. physik*, ser. 2, or *Ann. d. physik* (2). Pflüger's *Archiv*, on the other hand, is suspect, but turns out to be correct.

(3) The vernacular should be adhered to, not a translation. E.g., not *Contributions of the Observatory of Lund*, but *Lund. Observ. Meddel. Acad.* is sure to cause trouble when it should be *Akad. or Accad.*

(4) Unless one is understood to be using some particular list with a key provided, one should not abbreviate too far, particularly the first word. E.g., most persons would have to look in Science Abstracts for the meaning of A. T. M., and *Archiv f. tech. mess.* is not much longer. *Inst. el. eng.*, *Jour.* is safer than *J.I.E.E.*, particularly if it stands a chance of being printed *J.I.E.F.* *Soc. de biol.* is better than *Soc. biol.* because *Société biologique* and *Société de biologie* are surprisingly far apart in many catalogues.

(5) When an institution is organized in parts, *Math.-phys. kl., Sect. I*, or whatever the cause requires, should be added. This may seem obvious to both writer and reader, but when the reference is turned over to some one who does not know the context, as when it is the basis of an interlibrary loan, or a telephone call from one part of a library system to another, the omission may well lead to serious difficulty.

(6) For the same reason, the series should always be given in case the set is numbered in series. There are circumstances in which the date does not take its place.

The older literature and the foreign will still provide sufficient occasions when a man must wait to ask a specialist in library detective work 'What does this reference mean?' if our own technique of citation were improved beginning now. It requires only a little consideration from the point of view here presented, and in cases of doubt there will almost always be a librarian available to help edit a bibliography. This will be work of a constructive rather than a corrective sort in which, like other people, librarians take particular pleasure. On essential points of this proposal all library editing would undoubtedly be consistent."

RURAL POETRY IN AMERICA - TWO RECENT ARTICLES

"Poetry is not sociology, but the poet and the sociologist of necessity use much of the same material. Both go to life for data. As American poetry has become more genuinely American it has ceased to neglect important segments of our national life. As a result the rural scene has loomed larger in the writings of our poets. And in spite of the trend toward urbanization, it will in all probability continue to do so for at least the next generation. On the pages of the poet there is surprisingly much that is of high interest to the student of rural life." With this paragraph, Prof. Lewis H. Chrisman, Head of the Department of English Literature, West Virginia Wesleyan College, concludes his recent article* on "Rural Life in Modern American Poetry", the abstract of which follows:

"Early American poetry was bookish rather than vital. Consequently it comparatively seldom reflected American rural life. But during the nineteenth century our national poetry became more American and more rural. Whittier's 'Snow-Bound' is one of our most sincere and convincing poems of American country life. Like many lesser poems of its type it appealed especially to the home-sick New Englander in the city or on the plains of the Middle West. The outstanding contributions to the poetry of the American countryside have been those of the past 25 years. Carl Sandburg is not only the poet of the hasting crowds of Chicago streets, but he is just as certainly the depicter of the broad acres of prairie farms and the men and women upon them. The poetry of rural New England of Robert Frost is as genuine as that of Whittier. It shows a first-hand contact with country life and bucolic tasks. Stephen Vincent Benét gives some delightful glimpses of the fertile and beautiful land of the Pennsylvania German farmer. Paul Engle is making some significant contributions in verse to the literature of the Middle Border. Poetry of American rural life has been rather scant considering the fact that throughout practically all of our history we have been predominantly a rural people, yet it comprises an important part of our national literature."

It may be remembered that a brief article on "Rural Poetry in America", by Caroline B. Sherman, Bureau of Agricultural Economics, U. S. Department of Agriculture, appeared in Agricultural Library Notes for March 1936. Her recent valuable article** on this subject is much more extensive. After a critical appraisal of American rural poetry from Whittier up to the poets of today, Miss Sherman concludes her article with the following interesting comments on the influence of poetry among the people:

"The identification of some of the best poetry with our daily life not only in theme and rhythm but in the enjoyment and understanding of it, is a part of the growth of the spirit of social democracy among us."

*Chrisman, Lewis H. Rural Life in Modern American Poetry. Rural Sociology, vol. 3, no. 1, March 1938, p. 48-56.

**Sherman, Caroline B. Our Rural Poetry. South Atlantic Quarterly, vol. 37, no. 2, April 1938, p. 200-214.

RURAL POETRY IN AMERICA - TWO RECENT ARTICLES
(continued)

How important a part, it may be difficult to measure. Indications point toward an increase in its influence among the people, for many creative poets are teaching our young men and women daily. Tristram Coffin at Bowdoin, John Crowe Ransom at Vanderbilt, Jessie Rittenhouse at Rollins, and Robert Hillyer at Harvard are only a few among them.

"Then occasionally there is an arrangement that may be even more effective. For after an untrammelled relationship among the more responsive students at Amherst, not including any set teaching program, Robert Frost has now been called to Harvard to live a similar life. A signal instance, says one commentator, of how the profession of poetry can be made to yield a living for the poet and at the same time pay dividends to education from the rich capital of the poet's mind. His association with teachers and researchers reminds us that literature is a part of the affairs of men. It is perhaps the best way to establish fruitful relationships between scholars, creators, and the young people who are to carry on. Soon after, Archibald MacLeish was installed at Princeton, under a grant from the Carnegie Foundation, as Poet in Residence, and shortly before, John Steuart Curry had been appointed as Artist in Residence at the University of Wisconsin. Free to do his creative work, he is also to mingle with the students, particularly those from the farms, to encourage in them a liking and understanding for the arts and, if fortune so wills, to discover and develop latent gifts.

"Poetry has been even more particularized in its practical benefits - it has been named an agricultural asset. The versatility of his interests suggests that it was the Secretary of Agriculture himself who wrote that editorial in Wallace's Farmer. It estimates the value of the imaginative man in rural life and outlines the practical services of the mystical Irish poet, George W. Russell (better known as AE), to the rural cooperative movement in Ireland, and the contributions of the poetical and theatrical persons Russell enlisted in his rehabilitation of the rural Irish culture. It points out ways in which America, accepting the artists' contributions as chiefly intangible, can yet use their humanity and imagination in schemes for the perceptible enrichment of American farm life. Moreover, as another writer has said when discussing poetic values, the poet and his writing, when acting on receptive minds can bring us an expanded consciousness of reality, an expanded awareness of larger relations, that will enable us as individuals and as a nation to live more humanly."

CZECHOSLOVAK AGRICULTURAL LIBRARIES

By Dr. Jan Tauber, Librarian,

State Institutes for Agricultural Research in Prague.

[Editor's Note: Dr. Tauber recently spent several months in the U. S. Department of Agriculture and prepared this article for Agricultural Library Notes at our request]

During the twenty years of national independence the development of agricultural libraries in Czechoslovakia has been very rapid. Before the war there existed on the territory of Czechoslovakia only large general libraries such as the Library of Charles University in Prague and the Library of the National Museum of Prague, and some smaller agricultural libraries, such as the libraries of the agricultural colleges in Prague, Tábor, Liebwerd, etc. Now there are many agricultural libraries with a considerable number of volumes, especially the libraries of learned societies, of agricultural institutes and stations, and of numerous agricultural schools and offices. The largest libraries are those mentioned below.

Central Agricultural Library of the Czechoslovak Academy of Agriculture in Prague (founded 1926): This library collects all the agricultural literature published in the territory of the Czechoslovak Republic or published by Czechoslovak authors abroad. It has a rich collection of agricultural, technical, economic and sociological literature, especially from Slavic countries. The equipment and administration are up to date and it is supposed to be one of the best agricultural libraries in the world. It contains 110,000 volumes, 1,440 periodicals, author, subject and various special catalogues. Staff: Dr. Jan Böstík, Librarian, 4 assistant librarians, 4 clerks, 2 helpers.

Library of State Institutes for Agricultural Research in Prague (founded 1920): Contains mostly agricultural, chemical, biological, botanical, zoological, forestry and economic literature. It has over 40,000 volumes, more than 500 periodicals, author and decimal subject catalogues and various other indexes. Staff: Ing. Jan. Tauber, Librarian, 2 assistant librarians, 1 clerk.

Library of Agricultural Council in Prague: Has a rich collection of old agricultural literature, 30,000 volumes, a limited number of periodicals, and an author catalogue. Librarian: Dr. Karel Klír.

Library of State Agricultural Archives in Prague: Contains for the most part literature concerning economic and social history of middle European, Czechoslovakian, and other states, archival books, biographies and ethnography with respect to peasantry and agriculture. It has over 20,000 volumes and 200 periodicals. Librarian: Dr. Václav Černý.

Among the numerous other libraries which have large collections of agricultural literature should be cited those of the Agricultural Colleges in Prague, Brno and Liebwerd, the Library of the Institutes for Agricultural Research in Brno, Bratislava and Košice, the Library of the Department of Agriculture in Prague, the Library of the Agricultural Council in Brno and Bratislava, libraries of high agricultural schools all over the country, collections of

CZECHOSLOVAK AGRICULTURAL LIBRARIES
(continued)

agricultural books in the big general libraries such as the Library of Charles University in Prague, the Library of the University and Province of Moravia in Brno, the Library of the Comenius University in Bratislava, the Research Library in Olomouc, the Library of the National Museum in Prague, the Library of the National Assembly (Congress) in Prague, the Library of the Technical University in Prague and Brno, the Library of the Society of Engineers in Prague, the Hoover Library of the Masaryk Academy of Work in Prague, the Library of the Archives of the Province of Bohemia in Prague, and numerous others.

Czechoslovak librarians are organized into the Society of Czechoslovak Librarians. Besides this general organization, there is a National Committee of Agricultural Librarians of Czechoslovakia which works in close cooperation with the Union of Agricultural Journalists and Writers of Czechoslovakia through which it is affiliated with the FITA (International Federation of Technical Agriculturists).

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CONGRESSES

XIIIth International Veterinary Congress, Zürich and Interlaken, Switzerland, August 21-27, 1938. Dr. E. Gräub, General Secretary, Seilerstr. 23a, Berna.
XVIth International Housing and Town Planning Congress. Mexico City, August 13-20, 1938. Donald C. L. Murray, General Secretary, Rue Cantersteen, Brussels, Belgium.

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- No. 1. A Review of the Proceedings of the Agricultural Libraries Section
of the American Library Association, 1910-1937. By W.P. Kellam.
- No. 2. Classified List of Articles presented before the Agricultural
Libraries Section of the American Library Association, 1910-1937.
Compiled by W. P. Kellam.

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WASHINGTON
D. C.

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- LEE, SHUN-CHING. Forest botany of China. Shanghai, China; London, K. Paul, Trench, Trubner, 1935. 460.14 L51
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44 L323D Ed.3
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Description and travel

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- KENLY, MRS. J. C. Little lives; the story of the world of insects. New York, Appleton-Century, 1938. 422 K35
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- MAZUEL, J. Le sucre en Egypte; étude de géographie historique et économique. Le Caire, Schindler, 1937. 65 M454

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Seventh International Management Congress. Washington, D. C., Sept. 19-23, 1938. Executive Secretary: Nathaniel W. Barnes, 347 Madison Avenue, New York City.

Ve Congrès International de la Vigne et du Vin; 11e Congrès International Médical pour l'Étude Scientifique du Vin et du Raisin. Lisbonne, 15-23 Octobre 1938. Secrétaire: M. Luiz Quartin Graca, Chef de Section du Département d'Études, Information et Propagande, Ministère de l'Agriculture, Praça do Comercio, Lisbonne, Portugal.

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Texas

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- PIERRE, W. H., TULLY, N., and ASHBURN, H. V. Determination of the equivalent acidity and basicity of fertilizers: a study of mixed indicators. Indus. and Engin. Chem. (Anal. Ed.) 10: 72-76. Feb. 15, 1938.
- SUDDS, R. H. Winter injury to peach buds. Md. State Hort. Soc. Proc. 40 (1938):52-61. 1938.

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- BOYD, F. T., AAMODT, O. S. BOHSTEDT, G., and TRUOG, E. Sudan grass management for control of cyanide poisoning. Jour. Amer. Soc. Agron. 30: 569-582. July 1938.
- ELLIKER, P. R., and FRAZIER, W. C. Influence of time and temperature of incubation on heat resistance of *Escherichia coli*. Jour. Bact. 36: 83-98. July 1938. (P. R. Elliker, Univ. Wis.)
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- HOLLAENDER, A., and DUGGAR, B. M. The effects of sublethal doses of monochromatic ultraviolet radiation on the growth properties of bacteria. Jour. Bact. 36: 17-37. July 1938. (A Hollaender, Univ. Wis.)
- MCCOY, E. (With L. S. McCLUNG, Univ. Calif., San Francisco) Serological relations among spore-forming anaerobic bacteria. Bact. Rev. 2: 47-97. June 1938.
- TRUOG, E. A modern conception of soils, fertilizer action, and plant nutrition. Amer. Fert. 89: 9-11, 24, 26. July 9, 1938.
- UNDERWOOD, E. J., and ELVEHJEM, C. A. Is cobalt of any significance in the treatment of milk anemia with iron and copper? Jour. Biol. Chem. 124: 419-424. July 1938.

NOTES ON PERIODICALS

New, Changed and Discontinued

- Archives italiennes de biologie. Pisa. Ceased with tome 94, fasc. 3, May 12, 1936. Superseded by Nouvelles archives italiennes biologie, tome 1, fasc. 1, Apr. 25, 1938.
- "Camino", publication bimestral. 5 de Mayo, 29. Despacho 207, México, D. F. 4^o. il. vol. 1, no. 1, Jan./Feb. 1938. \$6.00 a year.
- Imperial bureau of horticulture and plantation crops, East Malling, Kent. Name changed in 1938 from Imperial bureau of fruit production.
- Imperial bureau of pastures and forage crops. Name changed from Imperial bureau of plant genetics: herbage plants, 1938.
- Imperial bureau of plant breeding and genetics, Cambridge, Eng. Name changed from Imperial bureau of plant genetics.
- Landesbauernschaft Hannover-Braunschweig. Wochenblatt Braunschweig. Ausgabe B. Ceased with Jahrg. 107, Folge 13, Mar. 26, 1938.
- National consumer news. New York. Changed to The American consumer with vol. 6, no. 3, June 1938.
- North Carolina. Dept. of conservation and development. Division of game and inland fisheries. North Carolina wildlife conservation. Raleigh, N.C. no. 80. il. Nov. 1937. [vol. 1, no. 1] No price given.
- Nouvelles archives italiennes de biologie; revues, résumés, reproductions de travaux scientifiques italiens. Pisa, 8, Rue S. Francesco. bi-no. 8^o. tome 1, fasc. 1, Apr. 25, 1938. 150 Lira pour chaque volume. (2 v. a year?)
- The Sheepman. Lexington, Ky. Revived with vol. 8, no. 1, May 1937.
- Società africana d'Italia. L'Africa italiana; bollettino della Società africana d'Italia. Changed to Africa, periodico mensile della Società africana d'Italia, with anno 56, no. 1, Jan. 1938.
- Syndicat des exportateurs français d'Indochine. Bulletin. 25, Rue du Général-Foy, Paris, 8e. no. 4^o. année 1, no. 1, Apr. 1938. 130 francs.
- Tennessee. State planning commission. Nashville. Ceased with vol. 3, no. 1, July 1937.
- Yugoslavia. Ministry of commerce and industry. Office of foreign trade. Bulletin d'informations économiques. Beograd. Ceased with année 6, no. 12, Dec. 5, 1937.
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The Spanish periodical "Economía y Técnica Agrícola", which has not been published for a number of months because of the "difficult circumstances through which the Spanish nation is passing", has resumed publication in 1938 with a "Número Extraordinario", beautifully illustrated. It is truly "extraordinary" that such a number could be published under war conditions. An interesting feature of the number is the acknowledgment of the gratitude of the editors of Economía y Técnica Agrícola to the editors of other magazines for sending their publications regularly without taking into consideration whether they have received a return. To show their gratitude they publish "as a board of honor" the titles of all those foreign magazines which have given them this encouragement. The list, which covers three pages, is arranged by country. "Agricultural Library Notes" is included in the list.

NOTES ON PERIODICALS

(continued)

"Nature" for June 13, 1938, contains the following note about Curtis's Botanical magazine, volume 147: "A complete volume of this beautifully illustrated botanical periodical has recently been published in one cover (Curtis's Botanical Magazine, 147. London: Bernard Quaritch, Ltd. 63s. net). This is to fill a gap in the series created by the non-appearance of a volume in 1921. At the end of 1920, publication of the Magazine ceased, and it seemed possible that the copyright would pass to an owner in the United States; but in 1921, the Royal Horticultural Society was presented with the copyright through the generosity of subscribers. The gap thus created in the series has now been filled through the generosity of Mr. Reginald Cory, and the volume is dedicated in accordance with his wish to Sir Isaac Bayley Balfour, Sir David Prain and Sir Frederick Moore in recognition of their services to botany and horticulture..."

Two Jubilee Numbers

The December 1937 issue of the Journal of Comparative Pathology and Therapeutics (Vol. L, Part 4) is a Festschrift to Sir John M'Fadyean. The following excerpt is from the Preface: "When... a man has rendered what it is clearly perceived to be a signal service through his own efforts and initiative, to the lasting good of his fellow men, it would seem that nothing should deter giving expression on fit and proper occasion within his lifetime to the natural, human response of gratitude. Such occasion, it was felt, had arisen at the conclusion of the 50th volume of the Journal of Comparative Pathology and Therapeutics, which had been founded in 1888 as a private enterprise by Sir John M'Fadyean, and has since been edited by him almost entirely single-handed. He consented on request to hand over this number to his colleagues, to prepare with a free hand as a Festschrift in his honour... The world which Sir John M'Fadyean for 50 years has addressed in the pages of his journal, therefore, now takes its turn in addressing him."

The issue of The Veterinary Record for July 16, 1938, vol. 50, no. 29, is another Jubilee number, the first article of which, entitled "The Veterinary Record, 1888-1938, a Historical Review", was prepared at the request of the Editorial Committee of the National Veterinary Medical Association of Great Britain, by Dr. J. T. Edwards. Not only does it give a very interesting and complete account of The Veterinary Record, its editors, aims, traditions, and editorial policies, but it also contains much information about other veterinary journals and about the history of veterinary science in Great Britain. It is interesting to note that The Veterinary Record "is one out of precisely 100 veterinary periodicals circulating in the world today."

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1938*Arizona

STREETS, R. B. Control of *Phymatotrichum* (cotton or Texas) root rot in Arizona. (Ariz. Agr. Col. Ext. Circ. 103) Tucson, 1938.

Connecticut

JONES, R. E. Vaccinate against fowl pox. (Conn. State Col. Ext. Bul. 264) Sterrs. 1938.

Florida

CAMP, A. F. Citrus propagation. (Fla. Univ. Agr. Ext. Bul. 96) Gainesville, 1938.

BROOKS, A. N., and MOWRY, H. Strawberry production. (Fla. Univ. Agr. Ext. Bul. 97) Gainesville, 1938.

NEWELL, W. 1937 report cooperative extension work in agriculture and home economics ...report of general activities for 1937 with financial statement for the fiscal year ended June 30, 1937. (Fla. Univ. Agr. Ext. [unnumb.]) Gainesville, 1938.

Georgia

FITCH, F. W. Feeding and management of dairy calves. (Ga. Agr. Col. Ext. Bul. 376, rev.) Athens. 1938.

ALEXANDER, E. D. Crimson clover for fertilizer, feed and soil protection. (Ga. Agr. Col. Ext. Bul. 452, rev.) Athens, 1938.

RICHARDSON, R. J. Quality market eggs for Georgia. (Ga. Agr. Col. Ext. Bul. 465) Athens, 1938.

Illinois

GRAHAM, R., and BRANDLY, C. A. Coccidiosis of poultry: causes, symptoms, lesions, and preventive measures. (Ill. Agr. Col. Ext. Circ. 485) Urbana, 1938.

Indiana

SCHWAB, J. W. How to handle the brood sow and her litter. (Purdue Univ. Dept. Agr. Ext. Bul. 65, 4th rev. ed.) Lafayette, 1938.

DAVIS, J. J. Insects affecting farm animals. (Purdue Univ. Dept. Agr. Ext. Bul. 105, 2d, rev. ed.) Lafayette, 1938.

WILEY, J. R. How to select, feed, and manage the pig. (Purdue Univ. Dept. Agr. Ext. Bul. 106, 5th rev. ed.) Lafayette, 1938.

WIANCKO, A. T., and AMICK, W. R. 4-H corn club manual. (Purdue Univ. Dept. Agr. Ext. Bul. 157, 4th rev. ed.)

*Prepared in the Office of Experiment Stations Library.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING July 1938

Indiana (continued)

- BURKHOLDER, C. L., and McCOWN, M. Pruning suggestions for Indiana apple orchards (Purdue Univ. Dept. Agr. Ext. Bul. 160, rev.) Lafayette, 1938.
- JORDAN, R., comp. Home canning of fruits and vegetables. (Purdue Univ. Dept. Agr. Ext. Bul. 164, 4th rev. ed.) Lafayette, 1938.
- DAVIS, J. J. Protecting shade trees and shrubs against insects. (Purdue Univ. Dept. Agr. Ext. Bul. 168, 2d rev. ed.) Lafayette, 1938.
- McCOWN, M., and BAKER, C. E. Strawberries for home and market. (Purdue Univ. Dept. Agr. Ext. Bul. 174, 3d rev. ed.) Lafayette, 1938.
- CARRICK, C. W. How to raise chicks. (Purdue Univ. Dept. Agr. Ext. Bul. 177, 3d rev. ed.) Lafayette, 1938.
- Feeding soybeans and soybean oilmeal on Indiana farms. (Purdue Univ. Dept. Agr. Ext. Bul. 180, 2d rev. ed.) Lafayette, 1938.
- DAVIS, J. J. Fighting insects in the vegetable garden. (Purdue Univ. Dept. Agr. Ext. Bul. 186, 4th rev. ed.) Lafayette, 1938.
- BEESON, K. E. and PENCE, M. O. Pasture improvement in Indiana. (Purdue Univ. Dept. Agr. Ext. Bul. 205, rev. ed.) Lafayette, 1938.
- HONEYWELL, E. R. House plants. (Purdue Univ. Dept. Agr. Ext. Bul. 206, rev.) Lafayette, 1938.
- DAVIS, J. J. The prevention and control of termites. (Purdue Univ. Dept. Agr. Ext. Bul. 225, rev.) Lafayette, 1938.
- WARD, W. B., and AMICK, W. R. 4-H garden club manual. (Purdue Univ. Dept. Agr. Ext. Bul. 227) Lafayette, 1938.
- COLE, R. O. Soil conservation in Indiana. (Purdue Univ. Dept. Agr. Ext. Bul. 228) Lafayette, 1938.
- Taking inventory and planning the farm business. (Purdue Univ. Dept. Agr. Ext. Bul. 229) Lafayette, 1938.
- TROTH, E., and AMICK, W. R. A manual for Indiana 4-H club leaders. (Purdue Univ. Dept. Agr. Ext. Bul. 230) Lafayette, 1938.
- BEESON, K. E. Soybeans in Indiana. (Purdue Univ. Dept. Agr. Ext. Bul. 231) Lafayette, 1938.
- Ice cream making in the home. (Purdue Univ. Dept. Agr. Ext. Leaflet 184, rev.) Lafayette, 1938.
- CRAIG, R. A. Hog cholera vaccination. (Purdue Univ. Dept. Agr. Ext. Leaflet 209) Lafayette, 1938.

Kansas

- EIER, H. F., and STOVER, H. E. Terracing to control erosion. (Kans. State Col. Ext. Bul. 70, rev.) Manhattan, 1938.
- ELLING, C. G. Spring lamb production. (Kans. State Col. Ext. Bul. 83) Manhattan, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1938

Maryland

JEHLE, R. A. Production and certification of seed potatoes. (Md. Univ. [Agr.] Ext. Bul. 83) College Park, 1938.

Massachusetts

List of publications, Extension Service, Massachusetts State College, Amherst, Massachusetts. (Mass. State Col. Ext. Leaflet 104[rev.]) Amherst, 1938.

Michigan

McDANIEL, E. I. Insects attacking stored foods and cereal products. (Mich. State Col. Ext. Bul. 192) East Lansing, 1938.

Minnesota

FERRIN, E. F. Care and feeding of pigs. (Minn. Univ. Agr. Ext. Spec. Bul. 74, rev.) University Farm, St. Paul, 1938.
 PALMER, L. S. Minerals for farm animals. (Minn. Univ. Agr. Ext. Spec. Bul. 94, rev.) University Farm, St. Paul, 1938.
 LONGLEY, L. E. Making the home lawn. (Minn. Univ. Agr. Ext. Spec. Bul. 130, rev.) University Farm, St. Paul, 1938.
 PETERS, W. H., and MORRIS, W. E. Beef production. (Minn. Univ. Agr. Ext. Spec. Bul. 146, rev.) University Farm, St. Paul, 1938.
 BROCKINS, W. W. Quality production of wheat and barley. (Minn. Univ. Agr. Ext. Pamphlet 51) University Farm, St. Paul, 1938.
 Mimeographed.

Mississippi

WHITE, E. H. Annual report of cooperative extension work in agriculture and home economics, Mississippi, 1937. (Miss. State Col. Ext. Bul. 94) State College, 1938.
 Program of 4-H club congress, Mississippi, July 11-16, 1938. (Miss. State Col. Ext. Circ. 89) State College, 1938.

Missouri

ROBINSON, M. E. If you would learn to sew. (Mo. Agr. Col. Ext. Circ. 373) Columbia, 1937.
 UREN, A. W. Mastitis; diagnosis and control. (Mo. Agr. Col. Ext. Circ. 385) Columbia, 1938.
 UREN, A. W. Bighead or light sensitization in sheep and lambs. (Mo. Agr. Col. Ext. Circ. 386) Columbia, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1938

Missouri (continued)

- CARL, F., and FOSTER, R. Food and nutrition. I. Breakfasts. II. Suppers and picnic lunches. (Mo. Agr. Col. Ext. 4-H Club Circ. 57) Columbia, 1938.
CARL, F., and FOSTER, R. Food and nutrition. III. Dinner. (Mo. Agr. Col. Ext. 4-H Club Circ. 58) Columbia, 1938.

Montana

- MILLS, H. B. Cyanide for household pests. (Mont. State Col. Ext. Circ. 90) Bozeman, 1938.
4-H club crops record book. (Mont. State Col. Ext. Circ. 91) Columbia, 1938.
MERCER, R. D. Crested wheatgrass in Montana. (Mont. State Col. Ext. Circ. 92) Columbia, 1938.
CUSHMAN, H. E. Culling the farm flock. (Mont. State Col. Ext. Bul. 162) Bozeman, 1938.
McCLELLAND, B. E. Canning meat, fish and poultry. (Mont. State Col. Ext. Bul. 163) Bozeman, 1938.
CAMERON, R. E. Duties of 4-H club officers and parliamentary pointers. (Mont. State Col. Ext. Bul. 164) Bozeman, 1938.

Nebraska

- SMITH, H., and NELSON, M. V. Summary of Nebraska home account records, 1929-1937. (Nebr. Agr. Col. Ext. Circ. 11-115) Lincoln, 1937.
SMITH, H., and NEWLEE, C. H. Summary of Nebraska home account records, 1929-1938. (Nebr. Agr. Col. Ext. Circ. 11-116) Lincoln, 1938.

New Hampshire

- KENDALL, J. C. Serving New Hampshire farms and homes: annual report ... of cooperative extension work in agriculture and home economics, 1937. (N. H. Univ. [Agr.] Ext. Bul. 53) Durham, 1938.
MARSDEN, T. A., jr. Garden pools. (N. H. Univ. [Agr.] Ext. Press Bul. 184) Durham, 1938.
MARSDEN, T. A. jr. Shrubs from cuttings. (N. H. Univ. [Agr.] Ext. Press Bul. 185) Durham, 1938.
ELLIS, E. E. Watch your weight. (N. H. Univ. [Agr.] Ext. Circ. 207) Durham, 1938.

North Dakota

- STEVENS, O. A. Making use of our birds. (N. Dak. Agr. Col. Ext. Circ. 163) Fargo, 1938.

LIST OF STATE EXTENSION PUBLICATIONS RECEIVED DURING JULY 1938
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Ohio

Facts about wheat. (Ohio Agr. Col. Ext. Fact. Ser. 25) Columbus, 1938.

Oklahoma

McPHERTERS, W. H. Soil erosion control in Oklahoma. (Okla. Agr. Col. Ext. Circ. 218, rev.) Stillwater, 1938.

GOODMAN, B. Logical kitchen arrangement. (Okla. Agr. Col. Ext. Circ. 352) Stillwater, 1938.

GOODMAN, B. Planning modern kitchens. (Okla. Agr. Col. Ext. Circ. 355) Stillwater, 1938.

GOODMAN, B. Better lighting for the farm home. (Okla. Agr. Col. Ext. Circ. 356)

CERVENY, C. C. Desserts. (Okla. Agr. Col. Ext. Circ. 357) Stillwater, 1938.

Oregon

JACKSON, E. R. [and others] Control of perennial weeds in Oregon. (Oreg. Agr. Col. Ext. Bul. 510) Corvallis, 1938.

KNOWLTON, F. L. O. S. C. brooder houses. (Oreg. Agr. Col. Ext. Bul. 511) Corvallis, 1938.

South Carolina

Camp Long: state 4-H club camp, Aiken, S. C. (Clemson Agr. Col. (S. C.) Ext. unnumb.] Clemson[1938?]

WATKINS, D. W. Extension work in South Carolina, 1937: a review of agricultural progress. (Clemson Agr. Col. (S. C.) Ext. [unnumb.] Clemson[1938?])

Vermont

CARRIGAN, J. E. Twenty-third annual report of cooperative extension work in agriculture and home economics, state of Vermont, for the year 1937. (Vt. Agr. Col. Ext. Bul. 23) Burlington, 1938.

Washington

RUSSELL, R., and HUNT, L. W. Eat apples. (Wash. State Col. Ext. Bul. 204, rev.) Pullman, 1938.

West Virginia

HUMPHREYS, G. Good citizenship begins at home. (W. Va. Agr. Col. Ext. Good Living Ser. VI, Lesson) Morgantown[1938?]

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during July 1938, exclusive of bibliographies*
and current issues of serials.**

Bureau of Agricultural Economics

- Agricultural outlook charts, 1939. Beef cattle, 1938. 22 p. 1.9 Ec70bc
- Check list of standards for farm products formulated by the Bureau of Agricultural Economics. Rev. June 1938. 8 p. 1.9 Ec71C
- The consumer and the standardization of farm products. By Caroline B. Sherman. Rev. July 1938. 16 p. 1.9 Ec731Co
- Disposition of feed grains (corn, oats, barley, and grain sorghums). Crop years 1909-1936. By states. June 1938. 47 p. 1.9 Ec71Df
- Farm mortgage recordings (by states). New Jersey. 6 p.; New York, 7p.; Massachusetts, 7p. 1.9 Ec78Far
- Foreign cotton production and American exports. By P. K. Norris. 1938. 5 p. Address, annual membership meeting, Georgia cotton production association, Atlanta, Ga., June 9, 1938. 1.9 Ec753Foc
- Grain inspectors' manual. June 1938. 219 p. 1.9 Ec72Gin
- Handbook of instructions for the installation and operation of the Tag-Heppenstall moisture meter (Revised). USGSA-MBI-1 Rev. July 1938. 93 p. 1.9 Ec72Ha
- Marketing practices in producers' local cotton markets. By J. W. Wright. May 1938. 92 p. 1.9 Ec733Mp
- Quality of cotton linters produced in the United States season 1933/34-1936/38. By Victor R. Fuchs. July 1938. 19p. 1.9 Ec733Qcl
- Range lands of northeastern Nevada, their proper and profitable use (a progress report). By Marion Clawson, Cruz Venstrom, and T. Dean Phinney. June 1938. 63 p. Bureau of agricultural economics, Forest service, Soil conservation service, and Agricultural adjustment administration in cooperation with the Division of grazing, U.S. Department of the Interior, Federal land bank, Berkeley, Calif., Farm credit administration, Agricultural experiment station and Agricultural extension service of the University of Nevada. 1.9 Ec7Rl
- The Shoyenne river land utilization project. Land utilization program. [1938] 3 p. 1. Ec7L

* Bibliographies included in general list of bibliographies on page 452

** For a list of the principal series issued regularly, see Agricultural Library Notes, v. 9, no. 10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

The tariff on long-staple cotton and its effects. B. C. F. Wells and Maurice F. Cooper. July 1938. 58 p. 1.9 Ec752Ta

U. S. Standards for nectarines (effective July 27, 1938). 1938. 7 p. 1.9 Ec74N

Bureau of Animal Industry

Batteries for chickens. Issued Nov. 1934. Rev. July 1938. 4 p. (A. H. D. no. 10 revised) 1.9 An52Ah

Bureau of Chemistry and Soils

Soil surveys [of following states] [1938]. California, 6 p.; Missouri, 4 p.; Ohio. 3 p.; Utah, 3 p. 1.9 So32

Bureau of Biological Survey

Cultural and other methods for the control of injurious wildlife. By D. A. Spencer. 1938. 6 pp. (Wildlife Research and Management Leaflet BS-115) (Division of Predator and Rodent Control) 1.9 B524W

Suggestions for control of coccidiosis in rabbits. By E. L. Vail. 1938. 1 p. (Wildlife Research and Management Leaflet BS-116) (Section of Disease Control, Division of Wildlife Research) 1.9 B524W

Protecting orchard trees from deer. By E. M. Mills. 1938. 6 pp. (Wildlife Research and Management Leaflet BS-117) (Division of Predator and Rodent Control) 1.9 B524W

Mink raising. 1938. 9 pp. (Wildlife Research and Management Leaflet B. S. 82. rev. (Section of Fur Resources, Division of Wildlife Research) 1.9 B524W

Bureau of Dairy Industry

The carotene requirements of dairy cattle and normal reproduction. By H. T. Converse and Edward B. Meigs. 1938. 3 p. (BDIM-827) Presented at meeting of American dairy science assoc., Columbus, Ohio, June 1938. 1.9 D14Bd

Experience in siloing partially cured alfalfa, methods used, losses sustained, and feeding value. By J. B. Shepherd and T. E. Woodward. [1938] 1 p. (BDIM-826) Abstract of paper presented at meeting of American dairy science assoc., Columbus, Ohio, June 1938. 1.9 D14Bd

SELECTED LIST OF MICROGRAPHED PUBLICATIONS

(continued)

Extension Service

Foreign agricultural extension activities. Compiled by Extension studies and teaching section, M. C. Wilson in charge. 1933. 32 p. (Extension service circular 283) 1.9 Ex892Esc

Professional improvement opportunities in Washington, D.C. for county extension agents. By E. O. Williams, agricultural agent, Lucas county, Ohio.[1938] 20 p. (Extension service circular 287) 1.9 Ex392Esc

Farm Security Administration

Family selection on a federal reclamation project - Tule lake division of the Klamath irrigation project, Oregon-California. By Marie Jasny. June 1938. 88 p. (Social research report no. 5) Farm security administration and Bureau of agricultural economics cooperating. 1.95 Sol no. 5

Federal Crop Insurance Corporation

Questions and answers on crop insurance. Issued June 1938. 5 p. (General information series, no. 3) 1. C88G

Food and Drug Administration

Digest of the new Federal food, drug and cosmetic act. June 27, 1938. 4 p. 1.9 F732D

Forest Service

Cooperation - for the dissemination of items of interest to state foresters. July 18, 1938. 2 p. (Division of State and private forestry) 1.9 F7681Cop

Green mountain national forest, Vermont. [1938] (Eastern region) In two sections: southern portion; northern portion. 1.9 F7668Gr

Report of personnel officers conference, Washington, D.C., March 14-26, 1938. 44 p. 1.9 F76Rep

Summary of the distribution of forest planting stock by cooperating states under Section 4 - Clarke-McNary law. 1937. Jan. 1 to Dec. 31, 1937. [1938] 22p. (T-10) 1.9 F7681S

Bureau of Plant Industry

Results from the cooperative coordinated oat breeding nurseries for 1937 and the uniform winter-hardiness nurseries for 1938-1938, together with average for previous years. Compiled by F. A. Coffman. May 28, 1938. 73p. (Division of cereal crops and diseases) 1.9 P6917Rf

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LIBRARY OF THE AGRICULTURAL ECONOMICS RESEARCH INSTITUTE
OXFORD, ENGLAND

A recent extension of the Agricultural Economics Research Institute in Parks Road, Oxford, England, has provided extra library accommodation. A review of the work of the Institute, which was issued this year, on the occasion of the twenty-fifth anniversary of the foundation of the Institute, contains the following information about the library:

"The Institute is equipped with a Reference Library which is restricted to agricultural politics, economics, history, and statistics. The nucleus of it was provided by a gift of Government publications, including a complete set of the Agricultural Statistics, from Professor W. G. S. Adams, by a small collection of books given by the Director, and by the gift of her late husband's books by Mrs. E. W. Barton. Purchases and further gifts have now brought the total number of volumes to about 2,000. There has been no attempt to collect old or rare agricultural books, but there is a complete collection of the Board of Agriculture's eighteenth- and early nineteenth-century County Surveys, and many of the works of Arthur Young and his contemporaries. There are complete sets of the Economic Journal and the Journal of the Royal Agricultural Society, besides other periodical literature and pamphlets. The Library is cataloged under the Library of Congress system.

"Until 1934 the Secretary of the Institute was also Librarian. By that time the work had grown to such proportions that the services of a full-time qualified Librarian had to be secured. The Library is primarily for the use of the research staff of the Institute, but it is extensively consulted by members of the University, senior and junior, and it is available to other persons duly accredited.

"Items of special interest include an autograph letter of Arthur Young, written when he was staying with Thomas Coke, at Holkham; and a reproduction in bronze of the bronze model of a Romano-British ploughman and his team, found at Piercebridge, Co. Durham, now in the British Museum. There is a small collection, also, of agricultural pictures and prints of the eighteenth and early nineteenth centuries, acquired by purchase, gift, and loan."

The Librarian of the Agricultural Economics Research Institute is Miss Olivia Bridget Bertie, B. A. Formerly an assistant in the National Library of Wales, 1927-1934, she has been Librarian of the Institute since 1935.

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(From Resources of Southern Libraries)

A volume entitled "Resources of Southern Libraries: A survey of Facilities for Research", edited by Robert B. Downs, Librarian of the University of North Carolina, has just been published by the American Library Association. This general survey of resources for research in the southern states grew out of the activities of the A. L. A. Committee on Resources of Southern Libraries, organized in 1934. The specific objectives of the survey are (1) to provide a basis for interlibrary loans; (2) to assist scholars and advanced students to find the best collections in their fields; (3) to give a basis for planning, as in agreements to divide acquisition activities; (4) to aid national and regional union catalogs; (5) to locate and describe little-known collections of value for research; (6) to discover particular weaknesses in libraries of the southern area; and (7) to stimulate the development of research collections. The volume contains 370 pages and there is a bibliography of 19 pages. The section of the survey relating to agricultural collections is reprinted below.

III. AGRICULTURE

"A summary of southern resources in agriculture by regions is perhaps the most useful approach. For purposes of this study the thirteen states will be divided into Western South, Central South, and the Eastern South."

Western South (Arkansas, Oklahoma, and Texas)

The leading agricultural collection in this area is at Oklahoma A. and M. College, with 13,000 volumes. That library has in the periodical field 3,000 volumes, 38 files complete, and 175 current titles. Included are long runs of a dozen important foreign journals. The United States Department of Agriculture publications, early and late, are thoroughly covered. Thirty-nine state departments of agriculture are represented, mainly in recent publications. Experiment station literature of all periods is strong. Good files are also available of agricultural extension material from 46 states. The collection contains about 1,500 herd registers, stud books, and flock books, chiefly for American breeds. For English there are the Hackney Stud Book, 1884-1914, and the Shire Horse Stud Book, 1883-1915.

Other notable agricultural collections in the Western South are at the Universities of Arkansas and Texas, and the Texas A. and M. College. Arkansas notes 4,500 volumes and 1,500 pamphlets. Special interests are field crops, animal industry, floriculture, and forestry. The periodical section comprises 400 volumes strictly on agriculture and 1,000 volumes in closely allied sciences. There are 140 well-distributed current titles. Society publications include 274 volumes of 31 organizations. Federal agricultural documents are approximately complete, and files of 26 state departments of agriculture are good. Agricultural experiment station publications number 34,251 pieces, covering 56 stations in all the states and complete for 49 stations. There are broken runs of official documents from 22 foreign countries. Herd and stud books are rather extensive. Supporting departments strongest in research materials are agricultural chemistry and entomology.

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(continued)

The resources of the University of Texas in agriculture and related subjects comprise over 6,000 books, pamphlets, and bound periodicals. The collection is particularly rich in its periodical holdings, and official and society publications. Publications of the United States Department of Agriculture, and American state and foreign experiment stations are adequately covered. The other Texas institution, the A. and M. College, reports 4,425 volumes classified in agriculture. The library shows considerable strength in periodicals. Some 175 titles in all branches of the field are included, and a high proportion is in unbroken runs. At least one half this number is current. Foreign titles are well represented in the list of journals. Some emphasis is noticeable on animal husbandry and veterinary medicine.

Arkansas Polytechnic College owns a file of 10,000 publications, largely agricultural experiment station reports from 42 states. Smaller collections on agriculture are numerous in Arkansas, Oklahoma, and Texas, but probably of limited use for research.

Central South (Kentucky, Tennessee, Alabama, Louisiana, and Mississippi)

The outstanding agricultural library in this area is at the University of Tennessee, holding 15,000 volumes. In that collection are 112 periodical files, of which 25 are complete. Current subscriptions include a majority of journals of research value. Added to extensive runs of American journals are the principal foreign titles. Sets of publications of the United States Department of Agriculture, state departments of agriculture, and agricultural experiment stations are fairly complete, except for a few out-of-print issues. Reports and journals of foreign governments are especially strong. Fields of specialization are fruits, truck farming, field crops, animal husbandry, floriculture, tobacco, and cotton.

Four other institutions in this group of states possess substantial agricultural collections: University of Kentucky, 7,600 volumes (in combination with the Kentucky Agricultural Experiment Station); Alabama Polytechnic Institute, 7,426 volumes; Mississippi State College, 5,553 volumes; and Louisiana State University, 4,500 volumes.

Kentucky interests are rather comprehensive, taking in field crops, animal husbandry, horticulture, tobacco, fruits, truck farming, dairy farming, and forestry. Each of these branches is represented by a sizable number of books and periodicals. In the Kentucky Experiment Station Library are runs of 65 American periodicals, and a foreign group of 44 titles. Practically complete files of federal agricultural documents are on hand, together with reports, bulletins, and circulars of all experiment stations in the United States and its territories. The International Institute of Agriculture's principal series of publications are available. In its botanical division the Kentucky Experiment Station specializes in weeds and their control, seed identification and germination, and poisonous plants. The general University library at Kentucky pays special attention to entomology in its zoology department.

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(continued)

Alabama Polytechnic Institute has 2,400 volumes of periodicals, 2,121 volumes of state and federal publications, and 2,300 volumes of other works on agriculture. There is also a special veterinary collection. All phases of agriculture are embraced, but some emphasis is placed on animal husbandry and entomology. Mississippi State College reports 1,435 volumes of 90 periodicals, 52 of the titles still current. Agricultural society publications are available from about 35 organizations. A comprehensive division of federal documents and experiment station publications is also present. Over 950 volumes cover important herd, stud, sheep, and swine records. The Mississippi collection as a whole is most adequate for horticulture, forestry, field crops, dairy husbandry, animal husbandry, and agricultural economics. Agricultural biology and agricultural chemistry are strong supporting departments. Louisiana State University has specialized in tropical agriculture.

Several other collections, considerably smaller than those described above, have useful materials. In Tennessee, Peabody College has 40 titles of herd books, numbering 650 volumes, giving the registry of eight breeds of cattle, five breeds of horses, and the major breeds of swine and sheep. Vanderbilt has a small collection in agricultural economics. Goodwyn Institute has collected bulletins of experiment stations from all the states. Tennessee State Library has gathered any available periodicals on agriculture published in Tennessee and the South. The University of the South is especially interested in forestry and has acquired over 2,000 official publications on the subject. In Alabama, Tuskegee Institute has built a small but well-selected collection around animal husbandry and field crops.

Eastern South (Virginia, North and South Carolina, Georgia, and Florida)

The major collections in this territory are those owned by Clemson College, Virginia Polytechnic Institute, Hampton Institute, Virginia State Library, University of Virginia, University of Georgia College of Agriculture, Georgia Agricultural Experiment Station, Florida Agricultural Experiment Station, Duke University, University of Florida, and North Carolina State College.

Clemson College has over 40,000 items in agriculture, with specialization in forestry, dairies, and animal husbandry. The main classes of material are 4,000 periodical volumes, and 235 current titles; 16,000 bound and unbound federal publications on agriculture; 17,000 reports and bulletins of experiment stations and extension agencies; 732 bound volumes of reports and bulletins of state departments of agriculture; publications of the International Institute of Agriculture; and agricultural documents of foreign countries; 1,376 books and a large number of miscellaneous pamphlets.

Virginia Polytechnic Institute, with 13,767 volumes, covers all fields except tropical agriculture. There are sets of 253 periodicals, 11 of which reach back before 1850. Of federal and state departments of agriculture, and agricultural experiment station publications there are 6,500 volumes. Foreign agricultural publications number 400 volumes. The biography and history of agriculture are well represented. Supporting the main collection are strong departments of agricultural biology, chemistry, and

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(continued)

physics. Hampton Institute has a live collection of 4,794 volumes, with particularly good runs of publications of state departments of agriculture and agricultural experiment stations. The Virginia State Library's division of 15,562 volumes in this subject is also weighted on the side of official material, especially federal and state departments of agriculture. There is a group of publications from England, Scotland, France, Italy, and the Philippine Islands. At the University of Virginia are 7,800 volumes on agriculture, supplemented by two special libraries located elsewhere. These two are the laboratory libraries at the Blandy Experimental Farm in Northwest Virginia, which has several hundred books and over 4,000 pamphlets, with special stress on genetics; and at Seward Forest in southwest Virginia, which has about 300 books and approximately 1,200 pamphlets on forestry. The biological sciences give strong support to the general university collection.

The Georgia College of Agriculture has approximately 9,000 volumes, showing strength for fruits, forestry, truck farming, field crops, dairies, animal husbandry, poultry, floriculture, and cotton. Fifty journals are current. Official publications, federal and state, are well represented, and there is an extensive group of foreign reports, serials, etc. Another Georgia institution, the Experiment Station at Griffin, has an excellent library of several thousand volumes, particularly notable for soil science, dairying and animal husbandry, entomology, poultry, nut-growing, and fruits. In files of journals, 242 titles are present, many complete, and there are 89 current subscriptions. Federal documents in agriculture and the publications of all state experiment stations are virtually complete. Foreign experiment stations, especially those of Russia, India, Australia, China, Japan, Spain, France, and Germany, are represented by long runs of publications, including current issues. The proceedings, transactions, and papers of state horticultural and agricultural societies are well covered. The collection of herd registers and flock records is better than average.

The Florida Experiment Station has a library of 13,524 volumes. Its special interests are animal husbandry, floriculture, fertilizers, soils, citrus fruits, and apiculture. There are 506 volumes of journals and all the abstracting organs in the agricultural field are received. In documentary materials the federal government and state experiment stations are regarded as complete, and state agricultural department publications are nearly complete. Material is received from 87 foreign countries, stressing Russia, China, Japan, Egypt, and Central America. All publications of the International Institute of Agriculture are available. At the University of Florida, with 4,583 volumes, the largest field is animal husbandry. Smaller sections pertain to citrus fruits, forestry, dairying, etc. Fair, though not complete, files of publications of federal and state departments of agriculture and experiment stations are present. The department of agricultural chemistry is strong, and agricultural biology is being developed.

Duke University has the Howard Collection on entomology, consisting of 20,000 books, periodicals, and monographs. It includes a score of serial publications of foreign scientific societies; many rare volumes,

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(continued)

such as the works of Blatchley, Comstock, Fabre, and Packard; and some 15,000 separates and reprints issued over a period of half a century. Another notable division of the Duke Library is on forestry. Over 12,000 books, pamphlets, and serial publications deal with forestry, soils, and closely related topics. There are 3,000 volumes of 150 journals, among which are unbroken runs of such important foreign titles as Zentralblatt für das Gesamte Forstwesen, Forstwissenschaftliches Centralblatt, Indian Forester, Kritische Blätter für Forst- und Jagdwissenschaft, Revue des Eaux et Forêts, Tharandter Forstliches Jahrbuch, Zeitschrift für Forst- und Jagdwesen, and Forst-Archiv. American documentary publications are thoroughly covered, and the collection of general reference works on forestry is good.

North Carolina State College has 4,000 volumes on agriculture, approximately one third of the number periodicals. Special interests are horticulture, field crops, and dairying. There are 112 current journals. With few exceptions, publications of experiment stations are complete. Broken files of reports and bulletins of state departments of agriculture are held. Some 48 countries are represented in the collection of foreign public documents on agriculture. Files are scattered for all these nations, but are strongest for materials in the English language, and especially from the British Empire. Another important group of books in the collection has over 1,100 volumes of herd, stud, and sheep flock books, and swine records.

A few notes on smaller collections in the South Atlantic region are: Jacksonville Public Library has developed a good collection on citrus fruits, floriculture, tropical agriculture, and dairying; the University of North Carolina has gathered any available agricultural materials pertaining to rural social economics, economics, and sociology. This institution also has publications of the International Institute of Agriculture since 1913. The North Carolina Historical Commission has an extensive collection of material on farmers' unions of North Carolina. The College of William and Mary owns a considerable group of eighteenth- and nineteenth-century works on gardening which were known to and used by the colonial settlers and early planters of America.

History of Agriculture

The special significance of agricultural history in its bearing upon social history makes desirable a brief discussion separate from the material on practical agriculture. Nearly every large collection on general agriculture also contains materials of value for the history of the subject. Early periodicals in particular are found in various libraries. Among the best collections of such journals are these: (1) University of Tennessee, with the Tennessee Farmer, 1834-1836; Annalen der Landwirtschaft, 1845-1871; Gardeners' Chronicle, 1841-1918; Cultivator, 1834-1840; Horticulturist and Journal of Rural Art, 1846-1875. (2) University of South Carolina, with the Journal of the Royal Horticultural Society of England, 1840-1889; Rural Carolinian, 1869-1873; Southern Agriculturist, 1828-1845. (3) Charleston

RESOURCES OF SOUTHERN LIBRARIES IN THE FIELD OF AGRICULTURE
(continued)

Library Society, with the Rural Carolinian, 1869-1876; Southern Agriculturist, 1828-1839; Southern Cabinet of Agriculture, 1840; Annals of Agriculture (London), 1784-1806; Bath and West and Southern Counties Society Journal, 1792-1800. (4) Clemson College, with Memoirs of the Philadelphia Society for Promoting Agriculture, 1810-1820; Southern Agriculturist, 1828-1839; American Farmer, 1819-1833; Southern Cultivator, 1853-1869; Rural Carolinian, 1869-1876; Farmer's Register, 1833-1842. (5) North Carolina State College, with the Horticulturist, 1846-1859; Magazine of Horticulture, 1836-1862; Cincinnati, 1858-1860; Cultivator and Country Gentleman, 1844-1868; Maryland Farmer, 1867-1878; Reconstructed Farmer, 1869-1872; Southern Planter, 1841-1869; Tilton's Journal of Agriculture, 1867-1869. (6) University of North Carolina with Bath and West and Southern Counties Society Journal, 1789-1810; Cultivator, 1834-1868; Farmer's Register, 1833-1842; Rural Carolinian, 1869-1876; Southern Agriculturist, 1828-1831. (7) Louisville Public Library, with Dollar Farmer, 1842-1845; Royal Agricultural Society of England Journal, 1840-1872; Western Farmers Almanac, 1854-1936. (8) Oklahoma A. and M. College, with Agricultural Science, 1867-1894; American Agriculturist, 1860-1890; Royal Agricultural Society of England Journal, 1840-1872.

Louisiana State University has developed a special collection of southern agricultural periodicals published from 1820 to 1895. The Georgia College of Agriculture owns a collection of rare books on agriculture, including an incunabulum and several seventeenth century works. Clemson College and Mississippi State College also report small groups of early works in this field."

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AGRICULTURAL LIBRARY NOTES
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A REVIEW OF THE PROCEEDINGS OF THE AGRICULTURAL LIBRARIES SECTION
American Library Association
1910-1937

By W. P. Kellam, Librarian
North Carolina State College

Read at the meeting of the Agricultural Libraries Section
June 1938

United States Department of Agriculture Library
Washington, D. C.

A REVIEW OF THE PROCEEDINGS OF THE AGRICULTURAL LIBRARIES SECTION
American Library Association
1910-1937

The idea and need for an organization of agricultural libraries were expressed by Miss Claribel R. Barnett, Librarian of the U. S. Department of Agriculture, in her annual report for 1909. Among other things she stated, "As a means of bringing about a closer cooperation between agricultural libraries and as a means to further their advancement there has been under consideration a plan for a meeting of librarians of agricultural libraries which it is believed would stimulate interest and be productive of good results."¹ She did not let the matter rest with this statement but took the first definite step toward the organization of the Section by making plans for an agricultural libraries round table to be held at the 1910 meeting of the American Library Association.² On March 10, 1910 she wrote to Mr. J. I. Wyer, Jr., "At this meeting steps might also be taken toward the formation of a permanent organization of agricultural libraries..."³

In due time the round table was held and at the end of the meetings it was voted to form a permanent organization of agricultural librarians as a section of the American Library Association. In response to a petition presented by the agricultural librarians, the Council approved the formation of the Agricultural Libraries Section in 1911.⁴

The infant organization was dedicated "to improve in general the service of agricultural libraries; to bring together librarians of agricultural libraries and those interested in agricultural literature for the discussion of their mutual problems; to promote co-operation among agricultural libraries, particularly the libraries of the land-grant colleges and experiment stations and the Library of the U. S. Department of Agriculture; and to encourage the publication of bibliographies and library aids in the field of agriculture and the related sciences."⁵

Many librarians have had a hand in the affairs of the Section and many are the subjects which have been discussed. Despite the fact that the Section's value has been questioned at least twice,⁶ it has thrived and today we are met to review its useful past and attempt to chart an even more fruitful future.

In an annotated bibliography accompanying this paper, I have grouped by subject chronologically all the papers presented to the Section, the most important discussions at which no papers were delivered, and the reports and activities of all committees. Since the bibliography is a rather

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1. U.S. Department of Agriculture. Report of the Librarian, 1909, p. 15.
 2. In the Proceedings for 1920 it was erroneously recorded that Mr. J. I. Wyer, Jr., was the founder of the Section. He was helpful in securing the approval of the Section of the A. L. A. Council and at Miss Barnett's request he presided over the Round Table meeting in 1910 and at the first meeting of the Section in 1912 but it was Miss Barnett who, by the planning of the Round Table meeting, first set the wheels in motion for the founding of the Section.
 3. Unpublished letter from Miss Claribel R. Barnett to Mr. James I. Wyer, Jr., dated March 10, 1910.
 4. ALA. Bulletin, v. 5, 1911, p. 194
 5. Ibid., v. 31, 1937, p.
 6. Ibid., v. 21, 1927, p. 326, and Agricultural Library Notes, v. 6, 1931, p. 99.

complete record of the actions taken at the meetings, to give an account of all the papers and discussions at this time would be unnecessary duplication even if time permitted such an indulgence. Herein I have attempted to indicate the trends of endeavor as shown by the main subjects considered and discussed, and by the work of committees.

As previously stated, the Section had its inception in the two sessions of the agricultural libraries round table held in 1910. In the words of the presiding officer, Mr. J. I. Wyer, Jr., these meetings were held to discuss "some of the problems peculiar to agricultural libraries."⁷ A study of the papers and discussions of these first meetings of agricultural librarians indicate the problems that faced our predecessors of twenty-eight years ago and show that many of the difficulties confronting us today are not of recent origin.

A paper by Mr. Charles B. Galbreath, entitled "Traveling libraries for farmers"⁸ had the distinction of being the first of no less than twenty-five papers and reports delivered on the subject of extension from 1910 through 1937. No other subject has received nearly so much consideration by the Section. Papers have been delivered on some phase of agricultural library extension at twelve of the twenty-seven meetings, with the entire program of three meetings being devoted to extension problems. Despite all this time and effort, there has not been a broad participation in rural library service by the agricultural college library. It has been a case of much smoke but little fire. The need of co-operation among the various agencies supplying books to rural sections was stressed as early as 1914.⁹ Following the passage of the Smith-Lever Act in that same year, the agricultural college librarians became imbued with ideas and plans regarding the part the agricultural library should play in extension work. Papers were delivered on the subject at all meetings with one exception from 1914 through 1919. However, notwithstanding the time and effort devoted to the subject, the lack of co-operation among the various agencies attempting to give rural library service is one weighty cause of failure. The Section has made only one attempt to co-operate with other agencies. This effort was made in 1923 by that ardent exponent of extension, Mr. Charles H. Brown, who had just entered the land-grant college scene. He introduced the following resolution:

"Resolved that a committee be appointed from the Agricultural libraries section to consider state-wide extension work and that the League of library commissions, the College and reference section, the National association of state libraries and the University Library extension service be notified of this action and be informed that the committee of this section will be glad to meet with the committees of their organizations to make a joint report on the field which may be covered by the various types of institutions."¹⁰

7. A. L. A. Bulletin, v. 4, 1910, p. 787.

8. Ibid., p. 788.

9. Williams, C. H. "Publicity work for the county agent." Ibid., v. 8, 1914, p. 362-7.

10. Ibid., v. 17, 1923, p. 216.

The resolution was "unanimously passed" - apparently passed out of the picture at the same time for no additional record was found of it. In 1927 the entire program was devoted to extension; but, with the exception of one paper read in 1932, the subject remained in a dormant state until 1937, when again the entire program was devoted to consideration of rural library service. The subject was treated from several angles by people concerned with the various agencies working with rural people. The keynote of the meeting, touched by almost every speaker, was the lack of co-operation among the agencies concerned with rural life.

Apparently, here is a fertile field which is ready for cultivation awaiting the time when the various groups "get together" and make a concerted and co-operative effort. A movement in the right direction was made at the 1937 meeting by having the different groups represented on the program. The question before us is to decide whether or not it is the business of this Section to concern itself with rural library work. If the decision is made that it is an obligation of ours, further action should be taken to bring these agencies into closer co-operation. If the decision is that it is no affair of ours, we should devote our efforts in other directions.

The last paper read in 1910 concerned agricultural periodicals.¹¹ At its conclusion the question of indexing periodicals arose and a plan under consideration at the University of Minnesota was described. This was the beginning of the agitation for an index to agricultural literature, which resulted in the establishment of the Agricultural Index in 1916. After the Index was established, the Section continued to take an active part in its management until 1924 when its permanency was assured. In 1920 Miss Claribel R. Barnett stated that the Section's greatest accomplishment had been the promotion of the Agricultural Index.¹² Eighteen years later the statement still holds true, for the Index has proved to be an indispensable tool.

When Mr. Wyer opened the 1910 round table with an address on the different types of agricultural libraries, he gave the first of several papers on the subject of administration, a topic which has occupied considerable time in the affairs of the Section. All together, fifteen papers have been delivered, dating from 1910 through 1933. The meeting of 1912 was the high-water mark of the discussion of this subject, for the director of the United States Office of Experiment Stations expounded principles of administration that are as fundamental and true today as they were twenty-six years ago.¹³

At the same meeting four other papers on the different types of agricultural college and experiment station libraries were given as a symposium. A comparatively recent study of the policies pursued by experiment stations in regard to book funds, location of the experiment station library, and the authority that the college library exerts over it was made in 1933.¹⁴

11. Hepburn, William. "Agricultural periodicals, their selection and preservation." A.L.A. Bul. v.4, 1910, p. 994-7.

12. Ibid., v. 14, 1920, p. 325.

13. True, A. C. "Suggestions as to a policy of administration of agricultural college and experiment station libraries." Ibid., v. 6, 1912, p. 216-22.

14. Towne, Jackson E. "Books, their disposition and administrative control in state agricultural experiment station libraries." Ibid., v. 27, 1933, p. 624-6.

The question of printed cards for experiment station publications was discussed in 1910, again in 1913, 1920 and almost yearly from then until 1927 when the need of such cards was seriously questioned because both the Agricultural Index and the Experiment Station Record afforded information about them. The opinions pro and con were about evenly divided, but the inquiry must have sounded the death knell of the printed cards for no other discussion regarding them is recorded.

The need for a check list of agricultural periodicals was presented in 1910.¹⁵ The matter continued to receive intermittent consideration until 1931 when it was dropped because of the publication of the supplements to the Union List of Serials.¹⁶

A second definite achievement of the Section had its inception in 1914 in the statement by Dr. E. W. Allen that "the agricultural librarian should have some connection with the editing of [the agricultural experiment station] publications."¹⁷

As a result of his suggestion, a committee was appointed to make definite recommendations on the form of station publications to the next meeting of the Association of American Agricultural Colleges and Experiment Stations. Apparently, no action resulted from this committee, for the various improvements that should have been made were not again considered until 1921. Two years later, as a result of Miss Margaret Galloway's paper on "Standardizing agricultural publications,"¹⁸ a committee was appointed to send a resolution to the American Association of Agricultural Editors and to the deans and publication committees of the agricultural colleges. The following year the report of a "gratifying response" from them was given and in 1925 the announcement was made that the standardization of the publication covers had been attained.¹⁹

Another matter which had its origin in the 1914 session still remains unsettled. I refer to the question of a handbook for agricultural libraries. From that time until 1925 there was some work and more discussion regarding the handbook, but it was never compiled. After 1925 nothing more was done about the matter until 1936 when the idea was revived and the suggestion made that a committee be appointed to investigate the need for such a manual. In accordance with this motion, a committee was appointed and a report made by the chairman, Miss Elizabeth A. Beal, at last year's meeting in New York. There was some question as to the need of such a handbook and the decision was made that the committee should "prepare a tentative outline of a manual and submit it to interested people who would vote 'yes' or 'no' about completing it."²⁰

15. Hepburn, W. M. "Agricultural periodicals, their selection and preservation." A.L.A. Bul. v. 4, 1910, p. 747.

16. Ibid., v. 25, 1933, p. 488.

17. Allen, E. W. "Needs and opportunities of the libraries of the state agricultural colleges and experiment stations." Ibid., v. 8, 1914, p. 200-1.

18. Ibid., v. 17, 1921, p. 214.

19. Ibid., v. 19, 1925, p. 268.

20. Ibid., v. 31, 1937, p. 714.

The Librarian of the United States Department of Agriculture Library in 1915 explained that, as the National library of agriculture, the various agricultural libraries had a right to use its services. She also described the services and ways in which the Department's library could be of help to other libraries.²¹ Again in 1929 she presented a paper which reviewed the work of the entire Department in general and gave specific details concerning the relation of the Department's library to the agricultural libraries, mentioning many things that were being done and others that could be done if funds were available. A number of possibilities for cooperation among agricultural libraries were also given.²²

No one needs to be told of the services that Miss Barnett and her staff have ever been ready to offer to us as a Section and to us individually. What needs to be done is to thank her and her staff for their patient, capable, and prompt help whenever needed. I believe that I am expressing the sentiment of the Section when I make this statement.

The matter of opportunities and problems of agricultural libraries has received considerable consideration. In 1914 Miss Barnett discussed the problems peculiar to agricultural libraries, stressed the need for closer cooperation among these libraries, and suggested many ways in which the Section could help solve some of these difficulties.²³ At the same meeting Dr. E. W. Allen presented a paper in which he discussed, among other things, the increased opportunities offered by the provisions of the recently passed Smith-Lever Act.²⁴ Two years later Mrs. Ida A. Kidder gave the results of a questionnaire setting forth what the agricultural libraries were doing and what was believed might be done.²⁵ Suggestions for the improvement of the individual librarian and the opportunities for cooperating among agricultural libraries were presented in a paper by Miss Mary G. Lacy in 1925.²⁶ The next and last important paper on this subject was given by Mr. C. H. Brown in 1926.²⁷ In this paper the idea that the duties of most of the librarians in the Section were much broader than agriculture alone was introduced for the first time. He proceeded to name and elaborate on seven functions of land-grant college libraries, showing how these libraries should concern themselves with many other subjects in addi-

21. Barnett, Claribel R. "Relation of the agricultural college and experiment station libraries to the library of the federal department of agriculture." A.L.A. Bul. v. 9, 1915, p. 156-9.

22. Barnett, Claribel R. "The United States Department of Agriculture and its relations to agricultural libraries." Ibid., v. 23, 1929, p. 284-6.

23. Barnett, Claribel R. "Some opportunities and problems of the agricultural libraries." Ibid., v. 8, 1914, p. 190-2.

24. Allen, E. W. ["Some needs and opportunities of libraries of the state agricultural colleges and experiment stations."] Ibid., v. 8, 1914, p. 200-1.

25. Kidder, Mrs. Ida A. "Some opportunities in agricultural library work." Ibid., v. 10, 1916, p. 228-34.

26. Lacy, Mary G. "A program for agricultural library work." Ibid., v. 19, 1925, p. 264-7.

27. Brown, C. H. "Some opportunities for agricultural libraries." Ibid., v. 20, 1926, p. 474-6.

tion to agriculture. The paper ended with some very pertinent suggestions as to ways in which land-grant college libraries could cooperate for mutual benefit.

The Section has shown a wide interest in the materials and methods of research. Beginning in 1910 and extending through 1936, a total of seventeen papers has been delivered. Many of these papers were not published, but the ones which were offer a store of valuable information on the subject. Time will not permit mention of more than a few representative titles. In 1919 Miss Marjorie Warner presented a scholarly and interesting paper, showing a thorough knowledge of horticultural literature. Many valuable ideas regarding methods of bibliographical research were given in addition to numerous basic titles in the field.²⁸

Another outstanding contribution to the bibliography of agricultural literature was made by Dr. R. H. True in the "Beginnings of agricultural literature in America."²⁹ Starting with the year 1076 when King Svend of Denmark spoke "of an island in the ocean which is called Vinland", the story was continued to the establishment of the American Farmer. The titles cited in the footnotes form an excellent bibliography of the early agricultural literature of this country.

Miss Louise Bercaw's paper, delivered in 1936, could be used as a manual in the compilation of a bibliography in the field of agricultural economics. Using a bibliography on land settlement as an example, detailed methods and procedures for compiling a bibliography were given.³⁰ Anyone planning to compile a bibliography in that or a related field could read this paper to great advantage.

In this connection, much consideration has been devoted to the publications of various agencies. At the 1930 meeting eight papers, given as a symposium "On material of primary importance on the economic aspects of agriculture" were mimeographed and distributed at the meeting. "Taken together they were designated to constitute a basic list of the sources of material on the economic aspects of agriculture published by (1) the federal government, (2) the states, (3) societies and associations, and (4) foreign governments."³¹

A number of papers have been presented on the closely related subjects of research and the library. Miss Eunice R. Oberly gave the first of these in 1922³² by discussing what the library personnel of research institutions had been able to do under existing conditions toward collecting, cataloging, and coordinating published material for the use of scientific investigators and how their contributions could be improved and extended. The problems facing the small, poorly supported land-grant col-

28. Warner, Marjorie F. "Bibliographical opportunities in horticulture." Library Journal, v. 44, 1919, p. 766-76.

29. A.L.A. Bulletin, v. 14, 1920, p. 186-94.

30. Bercaw, Louise O. "Methodology used in compiling a bibliography in the field of agricultural economics." Ibid., v. 29, 1936, p. 622-6.

31. Papers not published. Recorded in the Proceedings. Ibid., v. 24, 1930. p. 380.

32. Oberly, Eunice R. "The contribution of libraries to agricultural history and research." Library Journal, v. 47, 1922, p. 249-54.

lege library when it tries to build up resources for graduate and faculty research were set forth by Mr. J. A. McMillen in 1928.³³ A considerate and enlightened view on what the librarian and the research worker should expect of each other was expressed by Dr. H. J. Webber at the 1930 meeting.³⁴ The next and last contribution on this subject was made at the Richmond meeting of 1936 by Mr. H. O. Severance³⁵ who stressed the professional and institutional values of authorship and indicated some projects that could be done by any librarian.

Miss Charlotte A. Baker pointed out in 1920 that, due to the different types of agricultural libraries and the various methods and conditions existing in them, a survey would probably make possible definite recommendations for the improvement of agricultural libraries and their service.³⁶ At the end of the paper she recommended that a committee be appointed to make such a survey. As a result, a committee was appointed, a survey made and the results used as a basis for one session of the 1922 meeting. The report was divided into three parts: "(1) Organization, (2) Administration and (3) Extension service in agricultural libraries."³⁷ In all of these the policies, procedures, and ideas for the improvement of agricultural library service were considered.

A few years later the monumental Survey of land-grant colleges and universities was made. In 1928 Mr. C. H. Brown, the principal author of the library section of the survey, explained why the survey was being made and asked for the cooperation of the librarians.³⁸ Four years later, in a paper entitled "In view of the land-grant survey and Dr. Work's paper, what responsibilities fall upon the librarian in improving the service of land-grant colleges?"³⁹ attention was called to the fact that librarians are not readers of their own professional literature, many not having read the library section of the Survey. He proceeded to stress five responsibilities that rest upon Mr. Pandorus, librarian of Avalon State College, both librarian and college mythical, after having read the Survey. Upon hearing this pointed and frank paper, no doubt many who had not read the library section of the Survey hastened to do so.

This Section has not had very many committees. The earliest permanent committee to have any connection with the Section was the Oberly Memorial Fund Committee. This living memorial established soon after

33. McMillen, J. A. "Getting ready for research in a land-grant university library." A.L.A. Bulletin, v. 22, 1928, p. 390-1.

34. Webber, H. J. "The relation of a research worker to the librarian." Ibid., v. 24, 1930, p. 376-7.

35. Severance, H. O. "The value of research and authorship for college and university librarians." Ibid., v. 29, 1936, p. 620-2.

36. Baker, Charlotte A. "Discussion on a survey of agricultural libraries." Ibid., v. 14, 1920, p. 325.

37. Ibid., v. 16, 1922, p. 234-5.

38. Agricultural Library Notes, v. 3, 1928, p. 227.

39. A.L.A. Bulletin, v. 26, 1932, p. 431-5. Published under title "Is the librarian a victim or beneficiary of the land-grant survey?"

the death of Miss Eunice Oberly, although not a committee of the Section, has a very close connection with it, since the prize provided by the fund every two years is awarded for the best bibliography in the field of agriculture and the related sciences. Its report has been read to the Section each year.

The only standing committee of the Section is the Committee on Cooperative Bibliographical Aid, which grew out of a committee formed in 1925 to compile a list of state agencies collecting and publishing agricultural statistics.⁴⁰ In 1927 the Committee began compiling lists of books, pamphlets, and periodical articles on rural life. From then on several of these lists have appeared each year in the publication Rural Life. Since 1931 the work of the Committee has been entirely devoted to these lists.

A temporary but nevertheless important committee was the Committee on Future Activities of the Agricultural Libraries Section. The formation of this Committee was suggested by Miss Claribel Barnett in 1927⁴¹ to consider the question as to whether or not the Section should continue and to help chart its future course if continuance were feasible. In accordance with her suggestion, the Committee was appointed with Mr. C. H. Brown as chairman and a report was made in 1928.⁴² After considering a like number of proposals, the five following recommendations were given:

1. "That the section should deal with problems of land-grant colleges such as engineering, home economics, science, etc., as well as agriculture.
2. "That it should not confine itself to discussion but undertake executive work through committees on occasion.
3. "That the present name be retained.
4. "That yearly meetings be continued.
5. "That meetings with the Association of Land-Grant Colleges, while desirable, are not yet feasible. However, that the Executive Committee of the Association of Land-Grant Colleges be asked to give consideration to problems of agricultural libraries on the program of the 1930 meeting of the Association in Washington."

Several members were in favor of changing the name of the Section but the recommendations were carried by a small majority.

This report touched some points which, in my opinion, merit further consideration. The first recommendation was to consider the fields covered by the land-grant college in addition to agriculture, but not a paper has been delivered on any other subject. In 1936, when the Handbook Committee was securing suggestions, the tentative outline provided for agriculture only. One of the recommendations that my staff made was the inclusion of a chapter on engineering experiment station publications. I think that the Section could broaden out into these other fields with profit and without loss of honor.

The matter of whether or not the name of the Section should be changed does not seem so important to me; however, if changing its name

40. A.L.A. Bul. v. 19, 1925, p. 267-8.

41. Ibid., v. 21, 1927; p. 326.

42. Agricultural Library Notes, v. 3, 1928, p. 227-8.

to the Land-Grant College Library Section would be an incentive for broadening its activities, the change should be made.

The yearly meetings should be continued, probably with part of them being held in connection with the meetings of the Association of Land-Grant Colleges and Universities. There is much to be said in favor of meeting with the land-grant colleges and universities, for there we would come in contact with the people we serve and from whom our appropriations are secured. If we keep in touch with and present our problems before the faculty and administrative officers of our colleges and universities, the library budget and service would probably show the effects. It has been said that "the wheel which squeaks the loudest gets the most grease." That may be true, but the wheel must do its squeaking in the presence of the man who has the grease. And so should we. We do much squeaking here; but does it reach all the ears that it should? There are complications in connection with meeting with any group other than the A.L.A., but a plan should be devised whereby we could meet with the Association of Land-Grant Colleges and Universities every other year or at least once in every three or four years. In this manner the yearly meetings would be continued and relations maintained with both organizations.

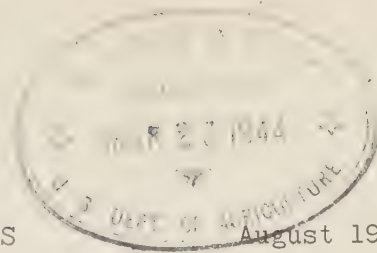
In 1929 the Committee on Relations was formed as a result of Miss Claribel Barnett's paper concerning the relationship between the agricultural libraries and the United States Department of Agriculture Library.⁴³ Its purpose was to study means of closer cooperation among all these libraries. The report of this Committee, of which Mr. C. H. Brown was chairman, was the principal feature of the 1931 program. The replies to a questionnaire sent out by the Committee served as the basis for the discussion.⁴⁴ The questionnaire consisted of nine questions, all of which cannot be considered here on account of lack of space. However, most of those points merit thought and some deserve action. This is true of the fourth question, "Is there any possibility that you would be able to attend once in three or four years a sectional meeting of libraries at the annual meetings of the Association of Land-Grant Colleges and Universities?" The replies were overwhelmingly in favor of this proposal, a fact which further emphasises the preceding discussion. In reply to the question, "Do you think that a stronger union of libraries of land-grant colleges and universities would be of value" the majority answered in the affirmative. In the discussion following this question, a doubt was expressed as to the value of the Agricultural Libraries Section since many of the land-grant college libraries were no longer agricultural. Some librarians also used this opportunity again to suggest the extension of the Section's activities to include all phases of land-grant college library work.

Many other valuable papers have been presented to the Section and it is to be regretted that all of them cannot be reviewed. However, the ones that have been considered indicate that the objectives set up when the Section was formed have been fairly well met and that a broadening of objectives is probably desirable. Some new subjects for discussion might put new blood into the Section.

43. Barnett, Claribel R. "The United States Department of Agriculture and its relations to agricultural libraries." Agric.Lib. Notes v. 23, 1929, p. 286-7.

44. Ibid., v. 25, 1931, p. 487-9.

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Vol. 13, No. 8

AGRICULTURAL LIBRARY NOTES

August 1938

Supplement 2

CLASSIFIED LIST OF ARTICLES
PRESENTED BEFORE THE AGRICULTURAL LIBRARIES SECTION
American Library Association
1910-1937

Compiled by W. P. Kellam, Librarian
North Carolina State College

United States Department of Agriculture Library
Washington, D. C.

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CLASSIFIED LIST OF ARTICLES
PRESENTED BEFORE THE AGRICULTURAL LIBRARIES SECTION
American Library Association
1910-1937

References to all papers delivered before the Section, unpublished as well as published, are listed by subject and chronologically under subject. Published papers are complete unless otherwise indicated. In addition to the formal papers, discussions and important events are noted. All sources in which a paper was published are given for the years since 1921 and for some papers appearing before that date.

Most of the annotations from 1910 through 1918 were written by Miss Mary G. Lacy and published in Special Libraries, v. 10, 1919, p. 53-6. Miss Lacy has kindly given her permission for their use. In every case where her annotation has been used it is enclosed in quotation marks.

Credit is also due to Miss Christine Coffey, of the North Carolina State College Library staff, for aid in selecting the subject headings in this bibliography.

ADMINISTRATION

Wyer, J. I., Jr. "Agricultural libraries." A.L.A. Bulletin, v. 4, 1910, p. 786-7.

"Opening address of chairman of first session of agricultural libraries round table. Discusses the several distinct types of agricultural libraries and the reasons why they should be considered 'special libraries.'"

Green, C. R. "Relation of the experiment station library to the college library." A.L.A. Bulletin, v. 4, 1910, p. 791-3. Advances the thesis that the experiment station is a department of the college and that the books in the experiment station library are college property and the college librarian should have supervision of them.

True, A. C. "Suggestions as to a policy of administration of agricultural college and experiment station libraries." [Extract]. A.L.A. Bulletin, v. 6, 1912, p. 216-22.

"Comprehensive exposition of the principles underlying successful administration in the three types of agricultural libraries found in the State colleges of agriculture, with a statement of the opportunities for service to the investigators, the student and the farmer, which these libraries afford."

ADMINISTRATION (continued)

Hean, C. W. "Agricultural college and experiment station libraries combined and separate from the university library but under its control." [Extract]. A.L.A. Bulletin, v. 6, 1912, p. 222-3.

This and the three papers immediately following it were delivered as a symposium on "Some types of Agricultural Experiment Station Libraries." In presenting this type of library, Mr. Hean describes the operation of the agricultural library at the University of Wisconsin.

Dickinson, D. A. "The experiment station library separate from the college library but under its control." [Extract]. A.L.A. Bulletin, v. 6, 1912, p. 223-4.

Description of the experiment station library at Washington State College as representative of the type of experiment station library under the control of the college library but separate from it.

Hutchins, Margaret. "Experiment station library consolidated with the university library." A.L.A. Bulletin, v. 6, 1912, p. 224-7.

Description of the library set-up at the University of Illinois with general observations on the advantages of having the experiment station library consolidated with the university library.

Kidder, Mrs. Ida A. "Experiment station library consolidated with the university library." [Extract] A.L.A. Bulletin, v. 6, 1912, p. 226-7.

Further discussion of the consolidated type of library as experienced at Oregon State College. Among other things, describes instruction in use of library given to freshmen and frequent use made of interlibrary-loan system.

Powers, W. H. "Scope and current cost in the land-grant agricultural libraries." A.L.A. Bulletin, v. 8, 1914, p. 192-7. Also in Library Journal, v. 39, 1914, p. 545.

"Paper based upon data obtained from the libraries of land grant colleges which exist apart from state universities."

Lapp, J. G. "Agricultural libraries as special libraries." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 10, 1916, p. 405.

"Organization, administration and extension service in agricultural college libraries." A.L.A. Bulletin, v. 16, 1922, p. 234-5.

For annotation see LIBRARY EXTENSION.

ADMINISTRATION (continued)

Branch, Nelle U. "The agricultural libraries of the University of California." [Extract] A.L.A. Bulletin, v. 24, 1930, p. 377-8. Extract also in Agricultural Library Notes, v. 5, 1930, p. 36-8.

An explanation of the administration, funds, and organization of the various agricultural libraries in the University of California system.

Buven, Margaret. "Citrus Experiment Station Library." A.L.A. Bulletin, v. 24, 1930, p. 379. Also in Agricultural Library Notes, v. 5, 1930, p. 38-9.

A description of the classification, serials, administration, etc., of the library.

Thomas, R. D. "The faculty of the land grant college looks at libraries, as seen by an economist." A.L.A. Bulletin, v. 26, 1932, p. 508-11. Also in Agricultural Library Notes, v. 7, 1932, p. 47-53.

A consideration of the liberal and strict interpretation of the Morrill Act with detailed discussion of the library's obligations to such departments as economics, history, etc., in the institution which gives the Act a liberal interpretation.

Walter, F. K. "The land grant college as seen by the librarian." A.L.A. Bulletin, v. 26, 1932, p. 511-14. Also in Agricultural Library Notes, v. 7, 1932, p. 53-6.

Points out the conditions existing in land-grant colleges which necessitate a diversified and continually growing library. Portrays some of the handicaps and problems which confront the library and prevent it from developing as it should.

Towne, J. E. "Books, their disposition and administrative control in state agricultural experiment stations." Agricultural Library Notes, v. 8, 1933, p. 138-42. Abridged in A.L.A. Bulletin, v. 27, 1933, p. 624-6.

Based on the results of a questionnaire sent to directors of agricultural experiment stations asking for information regarding funds spent for books, location of experiment station library, authority that the college library has over it, and who decides how funds shall be spent.

AGRICULTURAL INDEX

A.L.A. Bulletin, v. 4, 1910, p. 797. In the discussion following an article on the preservation of agricultural periodicals, the question of indexing them arose. A plan of indexing under consideration at the University of Minnesota was mentioned.

A.L.A. Bulletin, v. 7, 1913, p. 258. Two subjects were discussed at this meeting. One of them was "The indexing of agricultural periodicals," in which Mr. H. W. Wilson and many librarians engaged.

AGRICULTURAL INDEX (continued)

- A.L.A. Bulletin, v. 8, 1914, p. 198. Results from a question on the value of indexing periodicals, which was included in a questionnaire to station directors and agricultural librarians. At the same session (p. 199-200), Mr. H. W. Wilson told of plans that his firm had for undertaking an index to agricultural periodicals.
- A.L.A. Bulletin, v. 9, 1915, p. 162-3. Miss Vina E. Clark read a paper on "An index to agricultural periodicals," in which the need of an index is presented and fifty titles that should be included are listed. Following this paper, Mr. H. W. Wilson (p. 250) announced that his Company expected to begin the publication of an index to agricultural periodicals in January 1916. A committee was appointed to report a definite plan for an index to be issued by the agricultural libraries themselves if Mr. Wilson's plans did not mature.
- A.L.A. Bulletin, v. 10, 1916, p. 405-6. Mr. H. W. Wilson presented a paper with the title, "The agricultural index," in which he explained the purpose and plan of the new index. Critical discussion followed the paper and resulted in the appointment of a committee to confer with Mr. Wilson on the Index.
- A.L.A. Bulletin, v. 15, 1921, p. 170. Mr. H. W. Wilson reported that the cost of the Agricultural Index was far in excess of its income and something had to be done. A committee was appointed to confer with Mr. Wilson regarding future plans.
- A.L.A. Bulletin, v. 16, 1922, p. 236. Reported that increased price had been paid and that the Agricultural Index would continue.
- A. L. A. Bulletin, v. 18, 1924, p. 292-3. Mr. H. W. Wilson stated that, despite the increased subscription prices of a few years ago, the Index had not made expenses and an additional 30 or 40 per cent must be added to the subscription price if it were to be continued. A committee was appointed to consider the matter.
- A. L. A. Bulletin, v. 19, 1925, p. 268. The committee reported that the Index was saved and its continuance assured for at least three years. Apparently the arrangements made by this committee were permanent for no other mention was made of the Index at any meeting of the Section.

AGRICULTURAL LIBRARIES HANDBOOK

- A. L. A. Bulletin, v. 8, 1914, p. 201. The Section was of the unanimous opinion that a handbook would be of value and the chairman was asked to appoint a committee to consider the matter.

AGRICULTURAL LIBRARIES HANDBOOK (continued)

- A.L.A. Bulletin, v. 10, 1916, p. 406. A committee was appointed to cooperate with Miss Barnett in the preparation of a handbook for small agricultural libraries.
- A.L.A. Bulletin, v. 11, 1917, p. 339. A progress report was rendered.
- A.L.A. Bulletin, v. 12, 1918, p. 300. Progress was reported and the decision was made to circulate the material to librarians for criticism.
- A.L.A. Bulletin, v. 19, 1925, p. 268. The Section voted "That the preparation of the handbook of small agricultural colleges be revised and Miss Barnett urged to make an effort to obtain suitable assistance for its accomplishment."
- A.L.A. Bulletin, v. 30, 1936, p. 627-8. The idea of the preparation of a handbook was revived and the suggestion made that a committee be appointed to investigate the need for it.
- A.L.A. Bulletin, v. 31, 1937, p. 714. As a result of the suggestion made at the 1936 meeting, a committee was appointed and a progress report was given at the 1937 meeting.

AGRICULTURAL LIBRARY NOTES (PERIODICAL)

- A.L.A. Bulletin, v. 20, 1926, p. 474. Stated that Agricultural Library Notes was established due to the request of the Section at the 1925 meeting.

AGRICULTURAL LITERATURE - LOCAL COLLECTIONS

- "Local agricultural collections in land-grant college libraries."
A.L.A. Bulletin, v. 26, 1932, p. 515. Also in Agricultural Library Notes, v. 7, 1932, p. 57-8.
- A discussion of the above subject was held with no formal paper being given. The importance of each land-grant college library collecting all kinds of agricultural material published in its state was stressed.

AGRICULTURAL LITERATURE IN PUBLIC LIBRARIES, ETC.

- Stearns, Lutie E. "Agricultural collections in public libraries."
A.L.A. Bulletin, v. 4, 1910, p. 788-9.
- "Gives the results of a circular of inquiry concerning agricultural collections in public libraries recently sent out. Abundant proof is given of the increasing interest in the subject of agriculture among city people."
- Andrews, C. W. "Agricultural literature in a reference library."
A.L.A. Bulletin, v. 4, 1910, p. 789-90.
- "Short paper giving the experience of the John Crerar Library in meeting the demand of the general public for agricultural literature."

AGRICULTURAL PERIODICALS, CHECK LIST

- A.L.A. Bulletin, v. 4, 1910, p. 797. The need of a check list of agricultural periodicals was shown in the paper on "Agricultural periodicals, their selection and preservation, " by W. M. Hepburn.
- A.L.A. Bulletin, v. 8, 1914, p. 198-9. Mr. W. M. Hepburn kept alive the question of a union list of periodicals and an index for them in his article on "Agricultural periodicals."
- A.L.A. Bulletin, v. 10, 1916, p. 405. Mr. Charles R. Green read a paper on "A union check list of serials in agricultural libraries," in which he suggested a geographical plan in connection with interlibrary loans.
- A.L.A. Bulletin, v. 13, 1919, p. 374. Mr. Charles R. Green delivered a paper on "A union check list of agricultural periodicals," which was followed by much discussion. As a result, a committee was appointed "with the power to act, and to decide upon methods of compiling and publishing a union check list of agricultural periodicals in libraries in the United States."
- A.L.A. Bulletin, v. 14, 1920, p. 326-7. The committee appointed in 1919 rendered a report of progress and raised several questions and problems concerning the compilation of such a list. Another committee was appointed to carry on the work.
- A.L.A. Bulletin, v. 18, 1924, p. 293. No discussion recorded. There was only the statement, "The union list of periodicals was then discussed."
- Agricultural Library Notes, v. 4, 1929, p. 386-8. Quite a lengthy discussion on whether a union list of agricultural periodicals was needed since the Union List of Serials had been published.
- A.L.A. Bulletin, v. 25, 1931, p. 488. Also in Agricultural Library Notes, v. 6, 1931, p. 97. Because of the publication of the supplements to the Union List of Serials, the matter of a union list of agricultural periodicals was dropped.

BOOK REVIEWS

- Teale, R. P. Economics of land reclamation in the United States. Reviewed by Reba Davis. Paper not published. Recorded in the Proceedings. Agricultural Library Notes, v. 3, 1928, p. 228.

BOOKS AND READING

- Forrest, Elizabeth. "How shall we interest and induce our faculty and students to more general cultural reading."
A.L.A. Bulletin, v. 9, 1915, p. 159-62.
"Presents conclusions based on replies to questionnaire sent to the Agr. colleges on methods used to induce cultural reading."

BOOKS AND READING (continued)

Crist, J. R. "Readings for graduate students in the agricultural sciences." Agricultural Library Notes, v. 8, 1933, p. 1-2-6. Abridged in A.L.A. Bulletin, v. 27, 1933, p. 628-9.

Stresses the fact that students in the land-grant colleges usually have a poor intellectual and cultural background when they come to college and that most of their reading in college is limited to the purpose of securing grades. One partial remedy is a list of readings and a bibliography of books is included, which he urges his students to read.

BROWSING ROOMS

Brown, R. M. "Browsing rooms in land-grant college libraries." Paper not published. Recorded in the Proceedings. A. L.A. Bulletin, v. 26, 1932, p. 516.

CLASSIFICATION AND CATALOGING

Cutter, W. P. "The classification of an agricultural library." A.L.A. Bulletin, v. 4, 1910, p. 793-4.

"A comparison of the 'Expensive' and the 'Decimal' systems, with terse comments on the other less used classifications."

"Printed cards for important articles in agricultural encyclopedias." [Summary] Agricultural Library Notes, v. 4, 1929, p. 389-90.

A discussion of the need of preparing catalog cards for the main articles in the Book of rural life.

COMMITTEES

Committee on Food Information

A.L.A. Bulletin, v. 11, 1917, p. 339. Formation noted.

Oberly Memorial Fund Committee

A.L.A. Bulletin, v. 16, 1922, p. 236. Announcement of memorial fund.

Ibid., v. 17, 1923, p. 215-6. Explanation of memorial.

Ibid., v. 18, 1924, p. 241. Report.

Ibid., v. 19, 1925, p. 207-9.

Ibid., v. 20, 1926, p. 394.

Ibid., v. 21, 1927, p. 145-6.

Ibid., v. 22, 1928, p. 146.

Ibid., v. 23, 1929, p. 132-3.

Ibid., v. 24, 1930, p. 159.

Ibid., v. 25, 1931, p. 292-4.

Ibid., v. 26, 1932, p. 516-7. Also in Agricultural Library Notes, v. 7, 1932, p. 63

COMMITTEES - Oberly Memorial Fund Committee (continued)

- A.L.A. Bulletin, v. 27, 1933, p. 629.
Ibid., v. 28, 1934, p. 349.
Ibid., v. 29, 1935, p. 373-4.
Ibid., v. 30, 1936, p. 410.
Ibid., v. 31, 1937, p. 587-8.

Committee on Cooperative Bibliographical Aid

- A.L.A. Bulletin, v. 19, 1925, p. 267-8. Formed to compile a list of the state agencies collecting and publishing agricultural statistics.
A.L.A. Bulletin, v. 20, 1926, p. 477-8. Report. Also in Agricultural Library Notes, v. 1, 1926, p. 116-7.
A.L.A. Bulletin, v. 21, 1927, p. 329. Report. Also in Agricultural Library Notes, v. 2, 1927, p. 80-1.
Agricultural Library Notes, v. 3, 1928, p. 237-8. Report.
A.L.A. Bulletin, v. 23, 1929, p. 286-7. Summarized report.
Agricultural Library Notes, v. 4, 1929, p. 380-1. Discussion of the work of the committee.
A.L.A. Bulletin, v. 24, 1930, p. 380. Report. Also in Agricultural Library Notes, v. 5, 1930, p. 39-40.
A.L.A. Bulletin, v. 25, 1931, p. 486-7. Report. Also in Agricultural Library Notes, v. 6, 1931, p. 95-6.
A.L.A. Bulletin, v. 26, 1932, p. 516. Report. Also in Agricultural Library Notes, v. 7, 1932, p. 61-2.
A.L.A. Bulletin, v. 27, 1933, p. 629. Report.
Ibid., v. 28, 1934, p. 548.
Ibid., v. 29, 1935, p. 573.
Ibid., v. 30, 1936, p. 628.
Ibid., v. 31, 1937, p. 713.

Committee on Future Activities of
The Agricultural Libraries Section

- A.L.A. Bulletin, v. 21, 1927, p. 326. Also in Agricultural Library Notes, v. 2, 1927, p. 79. The formation of a committee was suggested by Miss Barnett to consider the question as to whether the Section should continue and to help chart its course if its continuance were feasible.
Agricultural Library Notes, v. 3, 1928, p. 227-8. Report of the committee which recommended that the Section should consider, in addition to agriculture, the other problems of land-grant colleges; that executive work should be undertaken through committees; that the present name of the Section be retained; that yearly meetings be continued; and that, although meetings with the Association of Land-Grant Colleges were desirable, they were not yet feasible.

Committee on Relationships

- A.L.A. Bulletin, v. 23, 1929, p. 286-7. Also in Agricultural Library Notes, v. 4, 1929, p. 378. Formation of the committee to study ways of closer co-operation among land-grant college libraries and between them and the U. S. Department of Agriculture Library.
- A.L.A. Bulletin, v. 24, 1930, p. 379-80. Also in Agricultural Library Notes, v. 5, 1930, p. 39. Chairman reports that no work has been done because of his connection with land-grant survey.
- A.L.A. Bulletin, v. 25, 1931, p. 487-9. Also in Agricultural Library Notes, v. 6, 1931, p. 96-99. Main feature of the program for the 1931 meeting. Based on the results of a questionnaire which "related to the improvement of land-grant college libraries and aids for a more complete realization of their needs." This committee was discontinued at the end of the report.

A.L.A. Committee to Cooperate with the American Society for Horticultural Science

- A.L.A. Bulletin, v. 25, 1931, p. 489-90. Report. Also in Agricultural Library Notes, v. 6, 1931, p. 98.
- A.L.A. Bulletin, v. 27, 1933, p. 629. Report. [Summary]

International Committee of Agricultural Libraries

- Committee of the Agricultural Libraries Section of the American Library Association on the proposed formation of an International Committee of Agricultural Librarians.
- A.L.A. Bulletin, v. 29, 1935, p. 571-3. Report.
- This report concerns the formation of an international group of agricultural librarians at the world congress of the Agricultural Press.

- Frauendorfer, Sigmund von. "The origin, program, and activity of the International Committee of Agricultural Librarians."
- A.L.A. Bulletin, v. 30, 1936, p. 626-7.
- A resume of the foundation, work accomplished, and projects in progress by the committee.

DUPLICATES

- "Exchanges and duplicates." [Summary]. Agricultural Library Notes, v. 4, 1929, p. 380.
- Discussion of the method of handling duplicates for exchange.

EUROPEAN WAR, 1914-1918, AND THE LIBRARY

Baldwin, Clara F. "Libraries and the food problem; a symposium." Spoke for library commissions. A.L.A. Bulletin, v. 12, 1918, p. 295.

All the papers on the above subject were delivered at a joint meeting with the League of Library Commissions and the National Association of State Libraries.

This paper points out how the state library commissions had advertised the need of food conservation and helped libraries to do so.

Godard, G. S. "Libraries and the food problem; a symposium." Spoke for state libraries. [Extract]. A.L.A. Bulletin, v. 12, 1918, p. 295-6.

Gives an account of what the Connecticut State Library had accomplished in promoting the production and conservation of food.

Barnett, Claribel R. "Libraries and the food problem; a symposium. Spoke for agricultural libraries. [Extract]. A.L.A. Bulletin, v. 12, 1918, p. 296.

The excellent agricultural organization of this country is a great help in the production and preservation of food. Gives a number of ways in which agricultural libraries are helping with this work.

Roden, C. B. "Libraries and the food problem; a symposium." Spoke for public libraries. A.L.A. Bulletin, v. 12, 1918, p. 296-7.

Outlines the work done by the Chicago Public Library, because it is thought to be typical of the work done by other public libraries.

Guerrier, Edith. "Libraries and the food problem; a symposium." Spoke for Library Publicity Work of the Food Administration. [Extract]. A.L.A. Bulletin, v. 12, 1918, p. 297.

"Paid tribute to the contribution that the libraries had made to food conservation and stated that the main work of the libraries was to furnish the people with reading matter favorable to conservation."

Wells, H. W. "The United States Working Reserve." A.L.A. Bulletin, v. 12, 1918, p. 198-9.

"Statement of the purposes of the Reserve and an enumeration of the ways in which libraries may aid in its work."

EUROPEAN WAR, 1914-1918, AND THE LIBRARY (continued)

Atwater, Helen W. "Libraries and the food problem; a symposium." Spoke for the Woman's Committee of the Council of National Defense. A.L.A. Bulletin, v. 12, 1918, p. 297-8. Description of the purpose, organization, and accomplishments of the Woman's Committee of the Council of National Defense.

EXPERIMENT STATION PUBLICATIONS, PRINTED CARDS

- A.L.A. Bulletin, v. 4, 1910, p. 794. Discussion regarding the cards indexing state experiment station literature prepared by the Office of Experiment Stations.
- A.L.A. Bulletin, v. 7, 1913, p. 258. The first part of the 1913 session was devoted to a discussion of "Catalog cards for agricultural experiment station publications."
- A.L.A. Bulletin, v. 14, 1920, p. 327-8. Mr. Hastings proposed a plan whereby each state agricultural library would analyze its own experiment station publications and the Library of Congress would print them.
- A.L.A. Bulletin, v. 18, 1924, p. 293. In answer to a question as to whether there was a demand for the resumption of the cards cataloging the material published by the experiment stations, the answer was in the affirmative.
- A.L.A. Bulletin, v. 19, 1925, p. 268. The Section voted "That the responsibility for putting through the work on printed cards for experiment station bulletins be turned over to Miss Barnett."
- A.L.A. Bulletin, v. 21, 1927, p. 329. Also in Agricultural Library Notes, v. 2, 1927, p. 80. The question was presented, "Are printed catalog cards for state agricultural experiment station publications needed or is it sufficient to rely upon the Experiment Station Record and the Agricultural Index for information in regard to these publications?" The opinions were about evenly divided.

EXPERIMENT STATION PUBLICATIONS, STANDARDIZATION

- A.L.A. Bulletin, v. 8, 1914, p. 201. The suggestion was made by Dr. E. W. Allen that agricultural librarians could be of great help in editing experiment station publications. This resulted in a committee being appointed to make "some definite suggestions in regard to the form of experiment station publications to present to the next meeting of the Association of American Agricultural Colleges and Experiment Stations."
- A.L.A. Bulletin, v. 11, 1917, p. 339. Committee "appointed to confer with the American Association of Agricultural Colleges and Experiment Stations... and to recommend to them that each station arrange to keep a reserve supply of not less than 150 copies of each publication issued."

EXPERIMENT STATION PUBLICATIONS. STANDARDIZATION (continued)

- A.L.A. Bulletin, v. 15, 1921, p. 170. The various improvements that should be made in the form of agricultural experiment station publications were considered.
- A.L.A. Bulletin, v. 17, 1923, p. 214. As a result of a paper presented by Miss Margaret Galloway on "Standardizing agricultural publications," a committee was appointed "to draw up a resolution to be sent to the meeting of the American Association of Agricultural Editors and to the deans and publication committees of the State Agricultural colleges." The resolution is given on p. 216.
- A.L.A. Bulletin, v. 18, 1924, p. 292. Report of the meeting of the Agricultural Editor's Association at which the resolution recommending the standardizing of agricultural publications was presented.
- A.L.A. Bulletin, v. 19, 1925, p. 268: Announcement to the effect that the standardization of bulletin covers had been attained.

GOVERNMENT PUBLICATIONS

- Gardiner, Jacquetta. "The agricultural literature of Canada." [Summary]. A.L.A. Bulletin, v. 12, 1918, p. 298-9.
- "Statement of the series published by the different branches of the Canadian Department of Agriculture."

- Gardiner, Jacquetta. "Agricultural publications in Canada." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 15, 1921, p. 170.

- "Proper treatment of new editions of Farmers' Bulletins when previous editions have already been bound." [Summary] Agricultural Library Notes, v. 4, 1929, p. 388-9.
- A discussion in which several librarians told what policy they pursued in the matter.

- "Care of uncataloged foreign publications." Discussion not published. Recorded in Proceedings. A.L.A. Bulletin, v. 29, 1936, p. 627.

HOURS

- Severance, H. O. "Library hours in agricultural college libraries." Agricultural Library Notes, v. 7, 1932, p. 59-60. Summary in A.L.A. Bulletin, v. 26, 1932, p. 515.
- A consideration of the factors which should govern the hours that the library should be open. This was followed by a discussion by various librarians giving the hours that their libraries were open.

INTERLIBRARY LOANS

Ellis, W. W. "Interlibrary loan of agricultural material."

[Summary] A.L.A. Bulletin, v. 18, 1924, p. 292.

States that the duplication of effort in interlibrary loan is not a serious question as there seems to be an understanding between agencies when there is more than one in a state. Some of the best sources for borrowing agricultural material and certain statistics on interlibrary loans are given.

"Interlibrary loans." [Summary] Agricultural Library Notes, v. 4, 1929, p. 380.

Discussion of the problem during which Miss Hawks asked that everyone requesting books from the U.S.D.A. Library give accurate and full bibliographical data.

"Interlibrary loans of theses and manuscripts." [Summary]. Agricultural Library Notes, v. 4, 1929, p. 390-1.

For the most part a discussion concerning the publication of a list of their theses by land-grant colleges.

"Interlibrary loans." A.L.A. Bulletin, v. 26, 1932, p. 515-6.
An informal discussion of this problem with no papers being read.

INTERNATIONAL INSTITUTE OF AGRICULTURE

Hawks, Emma B. "The International Institute of Agriculture and its publications." [Abstract] A.L.A. Bulletin, V. 18, 1924, p. 289-92.

An account of the foundation, organization, publications, library, and other matters concerning the Institute.

Hodgson, J. G. "International Institute of Agriculture at Rome." [Abstract] A.L.A. Bulletin, v. 20, 1926, p. 477.

An account of the library of the Institute, its activities and reorganization under Mr. Hodgson's direction.

LIBRARY BUILDINGS

Hepburn, W. M. "A study of agricultural library buildings of various types." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 15, 1921, p. 170.

LIBRARY EXTENSION

Galbreath, C. B. "Traveling libraries for farmers." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 4, 1910, p. 791.

LIBRARY EXTENSION (continued)

Hepburn, W. M. "Library extension work of agricultural colleges." A.L.A. Bulletin, v. 6, 1912, p. 213-6.

Points out opportunities which agricultural libraries have to supply farm people with books and tells what some libraries are doing in this direction.

Working, D. W. "The county agent in relation to rural library work. [Abstract] A.L.A. Bulletin, v. 8, 1914, p. 358-62.

This paper and the three immediately following it were delivered at a joint meeting with the League of Library Commissions.

"Excellent presentation of the opportunities which county agents have to interest county people in agricultural literature and the great advantage of co-operation between them and library workers."

Williams, C. H. "Publicity work for the county agent." A.L.A. Bulletin, v. 8, 1914, p. 362-7.

"Plea for co-operation between the state university, the agricultural college, the state library commission and the county agent."

Hobart, Frances. "Present state systems of library work for rural communities." A.L.A. Bulletin, v. 8, 1914, p. 367-70.

A discussion of the library agencies giving service to the rural communities in the northeastern states.

Hean, C. S. "Possibilities of library co-operation with the farmers' institute and short course." A.L.A. Bulletin, v. 8, 1914, p. 370-4.

"Outline of a profitable opportunity for co-operation between libraries and the farmers' institutes and short courses. List of books suitable for an exhibit at a farmers' institute is included."

Working, D. W. "The relation between the agricultural college libraries and the extension work of the county as developing under the Smith-Lever act." A.L.A. Bulletin, v. 9, 1915, p. 153-6.

"Presents the principles of extension work and shows how important the library should be in its successful prosecution."

Deveneau, G. A. "Agricultural extension work and the opportunities it offers to agricultural college librarians." A.L.A. Bulletin, v. 11, 1917, p. 140-8.

"Summary of the history of the agricultural extension movement, and a statement of the work done by the Illinois college of agriculture library to aid the extension work of that state. Urges agricultural libraries to recognize and embrace the opportunities for service which is afforded by agricultural extension."

LIBRARY EXTENSION (continued)

Dixon, Vera M. "A plan for library extension work in agriculture and home economics." Special Libraries, v. 9, 1918, p. 226-9. Summary in A.L.A. Bulletin, v. 12, 1918, p. 299.

"Plan for library extension work in Iowa and tabulation of information obtained by means of a questionnaire as to such work being done in state universities, agricultural colleges and library commissions."

Ferguson, M. J. "Getting books to farmers in California." A.L.A. Bulletin, v. 13, 1919, p. 137-40. Also in Library Journal, v. 44, 1919, p. 599-602.

A description of the county library system and the ways in which the county librarian and the county farm adviser cooperate to meet the book needs of California farmers.

Keffer, C. A. "The place of the library in a program of national development." [Extract] A.L.A. Bulletin, v. 16, 1922, p. 234.

Because of the lack of books in farm homes, the library should be considered in any national program of agricultural development. Not only technical but also books of a general nature must be supplied rural people. By virtue of its organization, the agricultural extension division could be of great aid in rural book distribution.

"Organization, administration and extension service in agricultural college libraries." A.L.A. Bulletin, v. 16, 1922, p. 234-5.

A discussion based on the findings of the recent survey of state agricultural college and experiment station libraries. Miss Barnett led the discussion on "Organization." She pointed out that each institution has problems of its own and that the organization of the library should be based on a study of the conditions existing in the institution. Every librarian should have a written policy.

Miss Olive Jones led the discussion on "Administration." Most of the remarks were concerned with the selection and purchase of books.

Mr. H. S. Green led the discussion on "Extension service." The value of book lists, co-operation with agricultural extension service workers, and book exhibits at county fairs were considered as means of promoting rural library service.

Brown, C. H. "The relation of agricultural library extension to the work of the Public Library Commission." [Summary] A. L. A. Bulletin, v. 17, 1923, p. 216.

Points out that a need exists for closer co-operation among the various agencies attempting rural library work. Stresses the fact that each agency should have its division of the field clearly defined. Mr. Brown moved that a committee be appointed to consider state-wide extension work and that the League of Library Commissions, the College and Reference Section, the National Association of State Librarians, and the University Library Extension Services be invited to appoint committees

LIBRARY EXTENSION (continued)

and that a joint study and report be made.

Merrill, Julia W. "What agricultural librarians can do to further library extension." [Extract] A.L.A. Bulletin, v. 21, 1927, p. 326-7. Abstract in Agricultural Library Notes, v. 2, 1927, p. 81-2.

Through the agricultural extension service the librarian of the land-grant college has contact with the farmers of the present and those of the future through relations with the students. Outlines a few opportunities of the agricultural librarian for creating rural interest in books and of giving more adequate library service to rural inhabitants.

Brown, C. H. "Opportunities of agricultural colleges for library extension." Agricultural Library Notes, v. 2, 1927, p. 83-5. Abstract in A.L.A. Bulletin, v. 21, 1927, p. 327-8.

"Varying conditions in various localities" make impossible rigid standards for library extension. The conditions must be studied and plans adapted to them. Recommended nine ways in which agricultural libraries can aid library extension in their states.

Bedinger, Margery. "What the agricultural librarian can do to further library extension." Agricultural Library Notes, v. 2, 1927, p. 118-21.

As a tax-supported institution the agricultural college should serve the people of the state. The best way to do so is for the library to work "hand in hand" with the agricultural extension service; and also to take advantage of all other opportunities which offer themselves, such as teaching the library idea to as many students as possible and by offering book service to alumni.

Lewis, W. P. Report of a survey which he had made on how library extension is carried on by the various state universities and colleges. Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 21, 1927, p. 329.

Dale, Mrs. J. R. "The land-grant college library as seen by the field worker." [Short summary of informal talk]. A.L.A. Bulletin, v. 26, 1932, p. 511. Summary also in Agricultural Library Notes, v. 7, 1932, p. 52-3.

States that "The library should be the laboratory, not only of the chemist, physicist, economist, etc., but of the entire state. Agricultural college libraries should have readers' advisers to help men and women on the farm to find the information they need."

LIBRARY EXTENSION (continued)

Wilson, L. R. "The present status of library service in rural communities and its relation to other phases of library extension." [Summary]. A.L.A. Bulletin, v. 31, 1937, p. 705-6.

Gives facts and figures about library conditions in the United States and points out that 80% of the 45,000,000 people without library service are in the rural districts. Discusses the various agencies trying to serve this 80% and stresses the need for co-operation among them.

Brown, C. E. "Rural library extension." A.L.A. Bulletin, v. 31, 1937, p. 706-10.

Despite the many efforts made to supply rural sections with books, no decrease in the percentage of people without library service was made from 1925 to 1935. States that a new approach is needed and stresses the ways in which state universities and colleges can aid the extension programs of their own institutions and cooperate with other library extension agencies.

Friley, C. E. "Adult education in the rural community." [Abridged]. A.L.A. Bulletin, v. 31, 1937, p. 710-11.

This paper shows how the land-grant college library, working through the county agent, and local groups, can supplement the activities of the other divisions of the college that are helping the farmer with his problems. In conclusion, six points are listed whereby the land-grant college can aid the adult education program.

Askow, Sarah B. "General library extension in rural communities." [Abridged]. A.L.A. Bulletin, v. 31, 1937, p. 711.

A description of the county library system of New Jersey and the ways in which the librarians give and receive help from the county agents, home demonstration agents, parent-teacher associations and other groups working with the farm people. Emphasis was laid on the fact that the library and all other agencies had to cooperate before adequate library service could be given to rural sections.

Butters, Marion. "The relationship of agricultural extension in home economics to library extension in New Jersey." [Abridged]. A.L.A. Bulletin, v. 31, 1937, p. 711-12.

A brief outline, listing ten ways in which the New Jersey agricultural extension service has been aided by the county and other libraries.

Barnett, Claribel R. "Libraries and reading programs in the agricultural extension service." [Abridged]. A.L.A. Bulletin, v. 31, 1937, p. 712-3.

Outlines what the U. S. Extension Service is doing in the interest of books and reading. States that, to carry out the general organization plan of the extension service, there should be a library specialist in the U. S. Department of Agriculture and also one in each land-grant college.

LIBRARY EXTENSION (continued)

Rothrock, Mary U. "Tomorrow's rural libraries." A.L.A. Bulletin, v. 31, 1937, p. 961-4.

Indicates the changes made in farm life during the past several years and that rural library policies should be adopted to meet these changes. Describes the library work of the TVA and draws from it ideas of what the rural libraries of the future will be.

LIBRARY INSTRUCTION

Smith, Anna M. "The instruction of students in the use of agricultural and scientific literature." A.L.A. Bulletin, v. 4, 1910, p. 730-1.

"Short statement of the course of instruction in the use of the library, which is given in the college of agriculture, of the University of Minnesota."

Dunlap, Fannie. "Training the agricultural freshman to use the library." Public Libraries, v. 30, 1925, p. 394-5.
Extract in A.L.A. Bulletin, v. 17, 1923, p. 215.

A presentation of the need and value of instruction in the use of the library, type of training desirable, and a review of the practices followed by agricultural colleges in giving such instruction.

OBJECTIVES AND PROBLEMS

Barnett, Claribel R. "Some opportunities and problems of the agricultural libraries." A.L.A. Bulletin, v. 8, 1914, p. 190-2.

"Opening address as Chairman of Agricultural Libraries Section. Discusses the problems peculiar to agricultural libraries and the need for closer co-operation between these libraries if these problems are to be worked out in the best way." Suggestions are made as to ways in which the Section can help some of these problems.

Allen, E. W. "[Needs and opportunities of libraries of the state agricultural colleges and experiment stations]."
[Extract] A.L.A. Bulletin, v. 8, 1914, p. 200-1.

"Discusses the increased opportunities for service afforded by the provisions of the Smith-Lever act, some of the funds provided being available for extension work through libraries. Suggestion made that the libraries might help with the editorial work of the Stations."

Kidder, Mrs. Ida A. "Some opportunities in agricultural library work." A.L.A. Bulletin, v. 10, 1916, p. 228-34.

"A compilation of what is being done in the agricultural libraries and of what their librarians believe may be done. Based on answers to a questionnaire."

OBJECTIVES AND PROBLEMS (continued)

Lacy, Mary G. "A program for agricultural library work."

A.L.A. Bulletin, v. 19, 1925, p. 264-7.

Makes suggestions for the improvement of the individual librarian.

States that there are many chances for co-operation among libraries and names several possibilities.

Brown, C. H. "Some objectives for agricultural libraries." A.L.A. Bulletin, v. 20, 1926, p. 474-7. Also in Library Journal, v. 51, 1926, p. 1001-04 and Agricultural Library Notes, v. 1, 1926, p. 122-6.

For the first time the Section's attention is called to the fact that "the term 'agricultural libraries' is a misnomer." Lists and elaborates on seven functions of land-grant college libraries which show that they must concern themselves with many other subjects in addition to agriculture.

"Are agricultural libraries sharing the federal funds appropriated for agricultural research? If not, what action should be taken?" [Summary] Agricultural Library Notes, v. 4, 1929, p. 382-6.

A long discussion participated in by many librarians telling of the policies in their institutions.

PERIODICALS

Hepburn, W. M. "Agricultural periodicals, their selection and preservation." A.L.A. Bulletin, v. 4, 1910, p. 794-7. Also in Library Journal, v. 35, 1910, p. 809-11.

"Discusses (1) the journals representing those sciences which underlie or are closely related to agriculture, (2) trade journals of the various manufacturing industries associated with agriculture, and (3) the farm papers. Advocates the preservation by the state college of agriculture of all the farm papers published in that state."

Ogden, E. Lucy. "New periodicals." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 6, 1912, p. 227.

First paper on a "Symposium on recent reference books and new periodicals of special interest to agricultural libraries."

Hepburn, W. M. "Agricultural periodicals." A.L.A. Bulletin, v. 8, 1914, p. 198-9.

"Summary of data obtained in response to a questionnaire sent to the directors of the experiment stations and the librarians of the agricultural colleges in an effort to gather material for a union list of agricultural periodicals in the agricultural colleges, and to compile a list of from 20 to 50 of the best and most representative of farm journals. A list of 20 such journals is included."

PERIODICALS (continued)

Babcock, C. E. "Latin American official agricultural magazines." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 15, 1921, p. 170.

Wilkins, Lydia K. "New agricultural periodicals." [Brief summary] Agricultural Library Notes, v. 3, 1928, p. 228. Few worthwhile general periodicals have been printed in the United States in the last several years. The present inclination tends to popularize and combine the old publications instead of beginning new ones.

Kershaw, W. B. "An agricultural periodical of the Civil War period in the northern states." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 27, 1933, p. 626.

Although this paper was not presented or published by Mr. Kershaw, Mr. McMillen gave a brief summary of it with his talk. The American Agriculturist is the northern periodical considered.

McMillen, J. A. "An agricultural periodical of the Civil War period in the southern states." [Abridged]. A.L.A. Bulletin, v. 27, 1933, p. 626-8.

Sketches the history of the Southern Cultivator, and emphasizes the value of early agricultural periodicals as source material for agricultural research. These will always be in demand and it is a duty of agricultural college libraries to collect and make them available.

PHOTOGRAPHIC REPRODUCTION

Lydenberg, H. M. "Some experiences of the New York Public Library in connection with photographic reproduction for research work." [Brief summary] A.L.A. Bulletin, v. 29, 1935, p. 564.

Recalls a meeting in 1915 at which the improvement of library technique was discussed - photography was not mentioned. Discusses the developments during the past twenty-four years and the problems and advantages afforded by film strips.

RADIO

Derby, Grace. "Agricultural college libraries and radio broadcasting." [Extract] A.L.A. Bulletin, v. 20, 1926, p. 477. A brief description of the work being done through the radio station at Kansas State Agricultural College.

RESEARCH AND THE LIBRARY

- Oberly, Eunice R. "The contribution of librarians to agricultural history and research." Library Journal, v. 47, 1922, p. 249-54.
- A discussion of what the library personnel of our research institutions has been able to do under existing conditions toward collecting, cataloging, and co-ordinating published material for the use of scientific investigators and how their contributions may be improved and extended..
- McMillen, J. A. "Getting ready for research in a land-grant university library." A.L.A. Bulletin, v. 22, 1928, p. 390-1. Also in Agricultural Library Notes, v. 3, 1928, p. 233-6.
- A consideration of the problems and procedures that the small, poorly supported land-grant college library faces when trying to build up resources for graduate and faculty research.
- Webber, H. J. "The relation of a research worker to the librarian." A.L.A. Bulletin, v. 24, 1930, p. 376-7. Also in Agricultural Library Notes, v. 5, 1930, p. 35-6.
- Interesting and brief sketch of what the research worker and the librarian should expect of each other. Suggests that the A.L.A. should use its influence to establish photostat bureaus in several large libraries and the maintenance of a translation service in one or two of the largest libraries of the country.
- Severance, H. O. "The value of research and authorship for college and university librarians." A.L.A. Bulletin, v. 30, 1936, p. 620-2.
- Indicates the professional and institutional values received from authorship and points out some projects that could be done by any librarian.

RESEARCH MATERIALS AND METHODS

- Ogden, E. Lucy. "Guides to recent agricultural literature." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 4, 1910, p. 794.
- Ingersoll, Elizabeth S. "Agricultural reference books." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 6, 1912, p. 227.
- Second paper on a "Symposium on recent reference books and new periodicals of special interest to agricultural libraries."

Hawks, Emma B. "Reference books in sciences relating to agriculture." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 6, 1912, p. 227.

Third paper on a "Symposium on recent reference books and new periodicals of special interest to agricultural librarians."

Horton, H. E. "Agricultural research." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 11, 1917, p. 339.

Lacy, Mary G. "The sources of agricultural statistics." Library Journal, v. 43, 1918, p. 859-86.

"Description of some publications containing agricultural statistics and a bibliography arranged geographically of sources of such statistics."

Warner, Marjorie F. "Bibliographical opportunities in horticulture." Library Journal, v. 44, 1919, p. 766-76.

Abridged in A.L.A. Bulletin, v. 13, 1919, p. 178-84.

A scholarly paper showing a thorough knowledge of horticultural literature. Mentions numerous titles and gives many valuable ideas about methods in bibliographical research.

True, R. H. "Beginnings of agricultural literature in America." A.L.A. Bulletin, v. 14, 1920, p. 186-94.

A very interesting paper covering the years from 1076 when King Svend of Denmark spoke "of an island in the ocean which is called Vinland..." to the establishment of the American Farmer. Bibliographical footnotes of value.

Olcott, Margaret T. "Indexes to the official sources of state agricultural statistics." A.L.A. Bulletin, v. 20, 1926, p. 477-8. Also in Agricultural Library Notes, v. 1, 1926, p. 116-7.

A progress report on the indexing of the sources of state agricultural statistics. Alabama had completed its index and four other States, Oklahoma, California, Idaho, and Maryland had lists in varying degrees of completion.

Olcott, Margaret T. "Publications of the Bureau of Agricultural Economics and other agencies of the U. S. Department of Agriculture." Paper not published. Recorded in the Proceedings.

A.L.A. Bulletin, v. 24, 1930, p. 380.

This paper and the seven immediately following it were given as a part of a symposium "On material of primary importance on the economic aspects of agriculture." They were mimeographed and made available to those attending the meeting. "Taken together, they were designed to constitute a basic list of the sources of material on the economic aspects of agriculture published by:

- (1) The federal government
- (2) The states
- (3) Societies and associations
- (4) Foreign governments."

Jacobs, Katharine. "Publications of the Federal Farm Board." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 24, 1930, p. 380.

RESEARCH MATERIALS AND METHODS (continued)

Gries, Caroline G. "Publications of the U. S. Department of Commerce and other government agencies, exclusive of the U. S. Department of Agriculture." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 24, 1930, p. 380.

Carpenter, Mary F. "State departments of agriculture publications." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 24, 1930, p. 380.

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Brown, C. H. "Use of bibliographies by workers in the agricultural field." [Summary]. A.L.A. Bulletin, v. 28, 1934, p. 547-8.

The results of a questionnaire sent to the members of the experiment station staff at Iowa State College, asking them to check three bibliographies in the order of importance to their work.

Bercaw, Louise O. "Methodology used in compiling a bibliography in the field of agricultural economics." A.L.A. Bulletin, v. 30, 1936, p. 622-6. Also in Agricultural Library Notes, v. 11, 1936, Supplement, May issue.

Using a bibliography on land settlement as an example, the methods and procedures to be followed in compiling a bibliography on an agricultural economics subject are presented. Detailed and of value to anyone planning to compile a bibliography.

RESERVE BOOKS

Barnes, M. Grace. "Use of books as collateral reading in courses of agriculture." [Brief summary]. A.L.A. Bulletin, v. 28, 1934, p. 546-7.

The results of a study made in the library at the University of Maryland to determine the use of reserved books by a group of students from each of the schools of Engineering, Agriculture, and Arts and Sciences.

SCIENCE AND AGRICULTURE

- Bay, J. C. "Response of science to agriculture." Agricultural Library Notes, v. 9, 1934, p. 226-33. Abridged in A.L.A. Bulletin, v. 27, 1933, p. 622-4.
- An interesting outline of the attempts of science to meet the demands of practical agriculture from Aristotle to the present day as shown in literature.

STAFF RANK

- A.L.A. Bulletin, v. 14, 1920, p. 328. A discussion in which the consensus of opinion is that the librarian should have the salary and rank of a professor, the department heads that of assistant professors, and assistants that of instructors.

SURVEYS - AGRICULTURAL LIBRARIES

- Baker, Charlotte A. "Discussion on a survey of agricultural libraries." [Abstract] A.L.A. Bulletin, v. 14, 1920, p. 325.
- Due to the different types of agricultural libraries and the various methods and conditions existing in them, a study of the results of such a survey would probably make possible "definite recommendations for the improvement of agricultural libraries and their service."
- "Organization, administration and extension service in agricultural libraries." A.L.A. Bulletin, v. 16, 1922, p. 234-5.
- Results of the survey made by a committee appointed in 1920 as the result of Miss Charlotte Baker's paper on a "Discussion on a survey of agricultural libraries."
- For annotation see LIBRARY EXTENSION

Land-grant college survey. Discussion on the library section led by Mr. C. H. Brown who gave the origin and purpose of the survey. Agricultural Library Notes, v. 3, 1928, p. 227.

- Brown, C. H. "Is the librarian a victim or beneficiary of the land-grant survey?" A.L.A. Bulletin, v. 26, 1932, p. 431-5.
- Calls attention, with the aid of statistics, to the fact that the librarians are not readers of their own professional literature and points out five responsibilities that rest upon the librarian in improving the service in his library.

TRAINING FOR LAND-GRANT COLLEGE LIBRARIANSHIP

- Fay, Lucy E. "Instruction in agricultural college library work in land-grant colleges." A.L.A. Bulletin, v. 22, 1928, p. 388-90. Also in Agricultural Library Notes, v. 3, 1928, p. 233-6 and Library Journal, v. 53, 1928, p. 658-9.
- No library school offers courses in agricultural college library work. Outlines courses that a student should

TRAINING FOR LAND-GRANT COLLEGE LIBRARIANSHIP (continued)

have in college, first and second year library school to secure adequate training for agricultural library work. The course recommended calls for three years of preparation in addition to an A. B. degree, two years in library school and one year of experience. Pioneer contribution in its field.

Haley, Lucia. "The general education and technical training of the librarians of the land-grant colleges." A.L.A. Bulletin, v. 29, 1935, p. 568-71. Also in Library Journal v. 60, 1935, p. 785-7.

Points out that librarians "do not know enough" and that this is especially true of science and technology. Practically all library students are selected from liberal arts colleges, but students with scientific and technical training should be encouraged to enter library work as there is a decided need for librarians with such training.

U. S. DEPARTMENT OF AGRICULTURE. LIBRARY

Barnett, Claribel R. "Relation of the agricultural college and experiment station libraries to the library of the federal department of agriculture." A.L.A. Bulletin, v. 9, 1915, p. 156-9.

"Presentation of the view that as the National library of agriculture, the state colleges of agriculture and the experiment stations have a just claim on the services of the Library of the U. S. Department of Agriculture. This library seeks to aid them by interlibrary loans, exchange of duplicates, bibliographical information, and advice in the matter of arrangement of their collections."

Barnett, Claribel R. "The United States Department of Agriculture and its relation to agricultural libraries." [Extract]. A.L.A. Bulletin, v. 23, 1929, p. 284-6. Extract also in Agricultural Library Notes, v. 4, 1929, p. 375-8.

A discussion of the present services offered agricultural libraries by the U. S. D. A. library and of possible ways in which it could be of greater help if staff and funds were available.

PAPERS DELIVERED BEFORE THE SECTION ON NON-LIBRARY SUBJECTS

Agricultural Laws and Legislation

Burdick, R. T. "The significance of certain phases of the New Deal from the agricultural standpoint." [Abridged]. A.L.A. Bulletin, v. 29, 1935, p. 564-8.

- A provocative paper in which are shown the benefits and harms that may result from the New Deal agricultural legislation. Summarizes the three ways in which agriculture has been developed and asks if we are ready for the fourth way - planned agriculture.

Agriculture - Economic Aspects

Patton, H. S. "National agricultural policies in the world depression." [Abridged]. A.L.A. Bulletin, v. 28, 1934, p. 538-46.

Outlines the effects of the world war on international trade, the effects of the depression on trade, prices, etc., of agricultural products and the policies pursued by several countries to relieve the situation. Some of the policies considered are preferential trade agreements, exchange depreciation, import quotas, and export subsidies.

Canada - Economic and Agricultural Conditions

Robertson, J. W. "Economic and agricultural conditions in Canada." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 6, 1912, p. 216.

Farm Produce - Prices

Sarle, C. F. "Farm prices prior to 1910." Paper not published. Recorded in the Proceedings. A.L.A. Bulletin, v. 19, 1925, p. 268.

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- Atwater, Helen W. Libraries and the food problem; a symposium, p.11.
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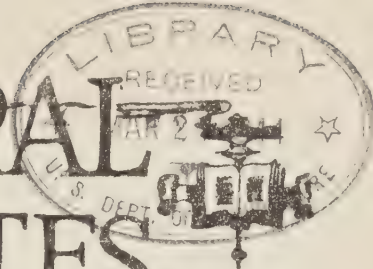
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AGRICULTURAL LIBRARY NOTES

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La Haye, 1937. 33.15 N382A

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GALLOWAY, L. D., and BURGESS, R. Applied mycology and bacteriology. London, Hill, 1937. 448.2 G13

Biography

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* Requests which are sent to the Library for the loan of items on this list should include the call number following the entry.

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- AMERICAN COTTON COOPERATIVE ASSOCIATION, New Orleans. A preliminary analysis of special investigator's preliminary report to the Committee on agriculture and forestry, November 30, 1937, and an analysis of the report of the South Carolina legislative committee, January 26, 1938. New Orleans, 1938. Processed. 280.372 Am34
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- FREUND, R. Verschuldung und betriebsstruktur in der schwedischen landwirtschaft. Stockholm, Lantbrukssällskapets tidskriftsaktiebolag, 1938. 284.2 F892

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- FEDERAL WRITERS' PROJECT. MISSISSIPPI. Mississippi; a guide to the Magnolia state. New York, Viking Press, 1938. 125 F312Mi

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- BELL, H. M. Youth tell their story; a study of the conditions and attitudes of young people in Maryland between the ages of 16 and 24, conducted for the American youth commission. Washington, American council on education, 1938. 280.037 B412
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- The Conservationist. Robert W. Lord, Union National Bank, Ninth and Walnut Street, Kansas City, Mo. mo. 4º il. v. 1, no. 1, July 1938. (Membership, \$1.00 per yr.) Official publication of the Jackson county conservation federation.

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- Food merchandising. Room 1421, 134 N. La Salle Street, Chicago. mo. f° il. v.1, no.1, April 1938. \$1.00 a year
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- National lawyers guild quarterly. National lawyers guild, 1001 15th Street, N. W., Washington, D. C. 8° v.1, no.1, Dec. 1937. 1.50 a year.
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- The Paper industry. Absorbed the Paper world, June 1938 (v.20, no.3) to form the Paper industry and paper world
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- Przemysł chemiczny. Warszawa 32, ul. Łączności 8. mo. 4° il. v.21, no.9, Sept. 1937. 36 zł. per year.
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- Rice and sugar journal. New Orleans. Changed to the Rice journal, with v.41, no.6, June 1938. "Drops all allied interests...; the sugar industry is taken care of in a separate publication known as The Sugar Journal."
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- The Sugar Journal. 339 Carondelet Street, New Orleans. mo. 4° v.1, no.1, June 1938. \$2.00 a year. Continues material formerly included in the Rice and sugar journal.
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- Le Travail agricole. Rome, Via Regina Elena, 86. bi-mo. 8° il. année 1, no.1, April 1938. Subscription, lires italiennes: 30.
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- Uprawa roślin i nawożenie... Plant culture and fertilisers. Poznań, Jasna 11 m. 12, Poland. bi-mo.(?) 8° rok 8, zeszyt 1. No price found. Issued free [Jan./Feb.?] 1938 as a supplement to Roczniki nauk rolniczych i lesnych.
- Voice of the kosher meat and poultry industry. New York. Ceased with v.3, no.36 (whole no.140) Apr. 29, 1938
- Zeitschrift für züchtung. Reihe B: Tierzüchtung und züchtungsbiologie einschliesslich tierernährung. Ceased with bd. 40, April 1938. With v.41, hft. 1, May 1938, resumed former title: Zeitschrift für tierzüchtung und züchtungsbiologie.

The Oklahoma Agricultural and Mechanical College Library has recently issued a Staff Manual as its Library Bulletin No. 5. Other agricultural libraries will find this a very useful publication.

DISCONTINUANCE OF "DIE LANDWIRTSCHAFTLICHEN VERSUCHS-STATIONEN"

A recent announcement has been made of the discontinuance of the German agricultural periodical "Die landwirtschaftlichen Versuchsstationen; Organ für naturwissenschaftliche Forschungen aus dem Gebiete der Landwirtschaft," one of the oldest organs for scientific research in the field of agriculture. The last number issued was Band 129, hefte 5/6. Since its first issue in 1859 it has been devoted to the publication of results of work of the German agricultural experiment stations, and it has the proud record (from a library point of view) of having been issued since that date without change of title or sub-title and with continuous volume numbering. The announcement says that since the work of the stations has tended more and more towards the field of animal nutrition and feeding stuffs, it has been decided to change the name of the journal to "Zeitschrift für Tierernährung und Futtermittelkunde; neue Folge von 'Die landwirtschaftlichen Versuchsstationen; Organ des Forschungsdienstes in Verbindung mit den landwirtschaftlichen Untersuchungsanstalten'." The first number of this new journal, Band 1, heft 1, has just been received. The new journal will not confine itself to the work of the experiment stations but will accept original contributions on its subjects from other sources. Heft 1 ends with a section devoted to abstracts of recent literature. In this first number all the original articles seem to be by German experiment station workers, and the abstracts are of other German work only, but it is believed it is the intention to include other and even foreign material. Professor G. Fingerling, editor of "Die landwirtschaftlichen Versuchsstationen," continues as one of the editors of the new journal, his province being the general editorial supervision and the investigation and technique of feeding stuffs; Professor W. Lenkeit has charge of the physiological questions, including metabolism, and Professor W. Wöhlbier of feeding stuffs and the abstract section.

The size of the page has been somewhat increased so as to make it better adapted to the publication of tables. Otherwise the general appearance of the journal is much the same as that of its predecessor. There are to be not more than two volumes of three numbers each a year. A number will appear about every two months. The price of each volume is to be RM 24.

Index cards for all articles in the entire set of "Die landwirtschaftlichen Versuchsstationen" have been printed by the Library of Congress from copy furnished by the Library of the U. S. Department of Agriculture. It is not intended to continue this analytical work for the articles in the new periodical. Information about the cards for the old series, "Die landwirtschaftlichen Versuchsstationen," as well as about the cards for "Landwirtschaftliche Jahrbücher," "Annales de l'Institut national agronomique" (Paris), and "Annales agronomique" (and its predecessor "Annales de la science agronomique") is given in Bulletin 9 of the Card Section, Library of Congress.

COOPERATION OF IOWA STATE COLLEGE WITH THE TRANSLATION EXCHANGE
SERVICE OF THE U. S. DEPARTMENT OF AGRICULTURE

In the November 1935 issue of Agricultural Library Notes in an article entitled "A Proposed Translation Service", an appeal was made not only for the cooperation of the bureaus of the Department in filing in the Library of the Department copies of translations made in their offices but also for similar cooperation from the various land-grant colleges and experiment stations. The Department Inter-bureau Committee on Translations, organized in 1935, of which Dr. H. B. Humphrey, Bureau of Plant Industry, is Chairman, has been active in promoting this cooperation. Recently the Committee has written to the various colleges explaining the plan and soliciting their support. In response to the appeal sent to the Iowa State College, Prof. Louis De Vries, of the Modern Language Department, has sent the following encouraging letter which gives also an interesting account of the translating work at that College:

"A few days ago I had a conference with our Dean of the Graduate College, Dr. R. E. Buchanan, also the Director of our Agricultural Experiment Station, who is in full sympathy with your project. He asked me to appear before the Graduate Faculty to enlist their support in my efforts to cooperate with you. I am assured that they will do their part. Following is a brief account of my work here.

"I have been at Iowa State College for twenty-five years and almost from the beginning have interested myself in helping graduate students in their preparation for a reading knowledge in French and German. I soon realized their situation and developed special courses for them which were constantly improved upon by suggestions from our graduate faculty as well as from graduate students themselves. In addition to this, I have assisted my colleagues in science, whenever called upon, in translating for and with them articles that were of interest to them in their immediate research problems. This has meant a considerable saving of time to them, because German is not so 'easy'.

"For seven years faculty groups with and without their graduate students have organized, informally, night meetings (once a week) during the winter months (October to April) in which we translated and interpreted the latest foreign literature. Sometimes these meetings would even take on the form of a seminar where the newly obtained information was also discussed. Such meetings are almost a tradition on the campus. The group in Veterinary Medicine has met now for seven years and read both French and German. A group under the leadership of Dr. C. H. Richardson in Entomology has met six years in succession. Other groups organized with Dean Buchanan, Dr. C. H. Werkman in Bacteriology, Professor Kerekes in Engineering, Professor T. Schultz in Economics.

COOPERATION OF IOWA STATE COLLEGE WITH THE TRANSLATION EXCHANGE
SERVICE OF THE U. S. DEPARTMENT OF AGRICULTURE
 (continued)

"Our graduate students in preparation for their language examination have generally written out a translation of some material suggested by their major professor, which material with some additional work could have been added to your collection during the past years if we had known about it. I myself, at one time, translated Heelsbergen, Geflügelkrankheiten (600 pages) in preparation for publication, but the depression did not warrant such risk on the part of a publisher at that time.

"A few years ago I was urged by my friends in biology to prepare for them a science dictionary which is being published by McGraw-Hill Publishing Company as a German English Science Dictionary for Students in the Agricultural, Biological, and Physical senses.

"With this background and training I hope that my services will be somewhat of a contribution to the fine work that you have undertaken."

TRANSLATIONS RECEIVED IN THE LIBRARY

From North Carolina State College:

GALLAND, P. A propos de la régénération naturelle de l'épicéa et de l'adaissement de la longévité de l'épicéa cultivé en dehors de sa station naturelle (Natural regeneration of spruce trees and the decreasing of the longevity of those spruce trees cultivated outside of their natural surroundings). *Revue des eaux et forêts*, v. 72, no. 4, Apr. 1934. p. 258-263. Paris 1934

From Soil Conservation Service:

GIANDOTTI, M. Contribution a l'etude du charriage des matériaux dans le lit des torrents (Contribution to the study of the bed loads of torrents). Congrès international de navigation, 15th, Venice, 1931. Le service hydrographique italien, p. 323-332. Rome, 1931. Translated by Albert Chiera.

GIANDOTTI, M. Les déplacements du lit du Po (Displacements of the bed of the River Po). Congrès international de navigation, 15th, Venice, 1931. Le service hydrographique italien. p. 297-322. Rome, 1931. Translated by Albert Chiera.

SENDIDONI, F. Rilievi i determinazioni sul trasporto solido del fiume Reno a Malalbergo (Gagings and measurements of the suspended load of the river Reno at Malalbergo). *Annali dei Lavori Pubblici*, fasc. 1, p.15-31. Jan. 1938. Translated by Albert Chiera.

VEZZANI, R. Etudes sur le Delta du Po (Studies of the Delta of the Po River). Congrès international de navigation, 15th, Venice, 1931. Le service hydrographique italien. p. 333-356. Rome 1931. Translated by Albert Chiera.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
of the U. S. Department of Agriculture
received during August, 1938, exclusive of bibliographies*
and current issues of serials.**

Agricultural Adjustment Administration

1939 Agricultural conservation program. Proposed changes from the 1938 Agricultural conservation program. 1938. 16 p. 1.42 Ad40n

Announcement by the Secretary of agriculture of the United States with respect to payments for the manufacture and sale of cotton bagging for cotton bales. July 27, 1938. 8 p. (Form CD-100) Issued by Division of marketing and marketing agreements. 1.94 C82Cd

Grade labeling in Canada....A report made by the Consumers' advisory board. June 1938, 24 p. Issued by the Consumers' counsel division. 1.94 Ad422G,

Lessons from the 1937 apple and pear seasons. By P. R. Taylor. Annual convention, International apple association, St. Louis, Mo. Ag. 11, 1938. 8 p. Issued by the General crops section. 1.94 Sp3L

Group discussion no. 7, 1938. Issued for use of state discussion leaders by Program study and discussion. 18 p. Issued by Division of program planning. 1.94 Ad472Gr

Bureau of Agricultural Economics

American cotton in foreign markets. By P.K. Norris. 1938. 5 p. Address, 28th annual farmers' short course, Agricultural and mechanical college, College station, Texas, July 14, 1938. 1.9 Ec753Am

Cotton harvesting and handling. By Francis L. Gerdes and Charles A Bennett. 1938. 13 p. 1.9 Ec733Ch (In cooperation with Bureau of Agricultural engineering)

Commercial apples (sales for fresh consumption) revised estimates. 1919-1937. 1938. 4 p. Issued by Crop reporting board. 1.9 Ec71Cag

The European hop situation. Aug. 12, 1938. 5 p. 1.9 Ec753E

Farm-mortgage recordings [by states] New Hampshire (7 p.), Oregon (8 p.), Virginia (7 p.), Maine (8 p.), New York (7 p.) 1.9 Ec78Emr

Information concerning the Land utilization program. 1938. 9 p. 1.9 Ec76I

*Bibliographies included in general list of bibliographies on page 496

**For a list of the principal series issued regularly, see Agricultural Library Notes, v.9, no.10, p. 354.

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Bureau of Agricultural Economics (continued)

- Preparation of flue-cured tobacco for market. By Hugh W. Taylor. 1938. 11 p.
1.9 Ec714Pm
- Procedure for determining the fat acidity of grain. By Lawrence Zeleny. 1938.
2 p. 1.9 Ec72Pd
- Recent developments in farm management research. By Neil W. Johnson. 1938.
6 p. Address, Western farm economics assoc. Bozeman, Mont., July 6-8, 1938.
1.9 Ec762Rd
- Sampling methods for wool-shrinkage determination of entire clips. By Robert
H. Burns. 1938. 23 p. 1.9 Ec713Sa
- Some considerations involved in an appraisal of measures for land-use control.
By James H. Marshall. 1938. 9 p. Address, meeting of the Western farm
economics association, Bozeman, Mont., July 6-9, 1938. 1.9 Ec76Soc
- Tentative U. S. Standards and grades for dressed turkeys; tentative U. S.
classes and sub-classes for dressed turkeys. Recommended by Bureau of
agricultural economics, U. S. Department of agriculture. Revised July, 1938.
8 p. 1.9 Ec724Tt
- The wool growers' interest in the manufacturers requirements. By James W.
Christie. 1938. 6 p. Address, annual meeting of the Ohio wool growers'
cooperative association, Columbus, Jan. 25, 1938. 1.9 Ec713Wog

Bureau of Chemistry and Soils

- Report of studies on uniformity of quality of sugars. I. Chemical studies of
beet sugars collected during the 1937 campaign, by E. K. Ventre and S. Byall.
II. Report on biological studies of sugars, by H. H. Hall. 1938. 10 p.
1.9 C4925Re
- Soil surveys of Minnesota. 1938. 3 p.; soil surveys of New Mexico. 1938
2 p. 1.9 Ss32

Extension Service

- Articulation of the extension and other action programs. By Reuben Brigham.
1938. 5 p. (Extension service circular 290) 1.9 Ex892 Esc
- Contributions of 4-H club work to good family living with suggestions for
increasing these contributions. By Ruth Durrenberger, National 4-H club
fellowship student. 1938. 82 p. (Extension service circular 284)
1.9 Ex892Esc

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS

Extension Service (continued)

Extension bulletins on farm buildings - northeastern states. Compiled by S. P. Lyle. 1938. 12 p. (Miscellaneous extension publication 46)
1.9 Ex892Mi

Statistical analysis of negro 4-H club work with special reference to 1936. By Erwin H. Shinn. 1938. 25 p. (Extension service circular 288) 1.9
Ex892Esc

Statistical results of cooperative extension work, 1937. By M. C. Wilson. 1938. 59 p. (Extension service circular 286) 1.9 Ex892Esc

Farm Security Administration

Farm security in Georgia. Aug. 1, 1938. 4p. 1.95 F321

Food and Drug Administration

Labeling flavoring extracts under the Federal food and drugs act. Reprinted July 1, 1938. 8 p. 1.9 F732La

Forest Service

American Woods; the southern pines. By H. S. Betts. 1938. 15 p. 1.9 F76Am

Commercial processes of pulping woods for paper. Revised May, 1938. 2 p. (Technical note no. 204.) Issued by Forest products laboratory, Madison, Wisconsin. 1.9 F761

Pacific northwest, Portland, Ore. Forest statistics for Clatsop county, Oregon, from the inventory phase of the Forest survey. 1938. 11 p. Issued by Pacific Northwest forest and range experiment station, Portland, Oregon. 1.9 F7629Fst

Forest statistics, Clearwater county, Idaho, from the inventory phase of the Forest survey. 1938. 33 p. (Forest survey release no. 14) Issued by Northern Rocky mountain forest and range experiment station, Missoula, Montana. 1.9 F7628F

Forest statistics for Grays Harbor county, Washington, from the inventory phase of the Forest survey. Portland, Ore., 1938 10 p. Issued by Pacific northwest forest and range experiment station, Portland, Ore. 1.9 F7629Fsta

The forest survey of the Douglas fir region; explanatory text to accompany Forest statistics for western Oregon and western Washington counties. 1938. 9 p. Issued by Pacific northwest forest and range experiment station, Portland, Ore. 1.9 F7629Fsd

SELECTED LIST OF MINEOGRAPHED PUBLICATIONS

Forest Service (continued)

John Muir; a great American conservationist. 1938. 16 p. 1.9 F76J

Northeastern forest-fire danger meters. By Paul W. Stickel. 1938. 4 p.
(Technical note no. 25) Issued by Northeastern forest experiment station,
New Haven, Conn. 1.9 F7622T

Reaction of hardwood lignin with hydrogen. By E. E. Harris...James d'Ianni...
and Homer Adkins...1938. 9 p. Issued by Forest products laboratory,
Madison, Wisc. (Published in the Journal of the American chemical society,
June 1938.) 1.9 F761Rh

Seasoning of beech lumber and dimension stock (Progress report). By Raymond
C. Rietz. 1938. 6 p. Issued by Forest products laboratory, Madison,
Wisc. 1.9 F761Sb

Serviceability of glue joints. Exposure tests give data on animal, vegetable,
casein, and blood types. By Dan Brouse. 1938. 7 p. Issued by Forest
products laboratory, Madison, Wisc. (Published in Mechanical engineering,
April 1938.) 1.9 F761Sg

Office of Land Use Coordination

Land use coordination. By M. S. Eisenhower. 1938. 9 p. Address delivered
before the Annual conference of extension workers on March 24, 1938, at
Cornell university, Ithaca, N. Y. 1.9 Ag8301Ac

Bureau of Plant Industry

Growing alfalfa in the lower Mississippi delta. By Paul R. Henson...and
H. L. Westover. 1938. 5 p. Issued by Division of forage crops and
diseases. 1.9 P691Ca (In cooperation with the Mississippi State college and
Agricultural experiment station)

Preliminary estimates of crop losses. 1937. The plant disease survey.
July 30, 1938. 32 p. Issued by the Division of mycology and disease
survey. 1.9 P6916P

Weather Bureau

Instructions for characterizing barometric tendencies. 1938. 6 p.
Amplification of sect. 35 of 1936 Weather code (1 W375W) 1.9 W371c

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1938 YEARBOOK OF THE U. S. DEPARTMENT OF AGRICULTURE

This year's issue of the Yearbook of the U. S. Department of Agriculture, unique in several respects, bears the title "Soils and Men, Yearbook of Agriculture 1938." It contains the following Foreword by Henry A. Wallace, Secretary of Agriculture:

"The earth is the mother of us all--plants, animals, and men. The phosphorus and calcium of the earth build our skeletons and nervous systems. Everything else our bodies need except air and sun comes from the earth.

"Nature treats the earth kindly. Man treats her harshly. He overflows the cropland, overgrazes the pastureland, and overcuts the timberland. He destroys millions of acres completely. He pours fertility year after year into the cities, which in turn pour what they do not use down the sewers into the rivers and the ocean. The flood problem insofar as it is man-made is chiefly the result of overplowing, overgrazing, and overcutting of timber.

"This terribly destructive process is excusable in a young civilization. It is not excusable in the United States in the year 1938.

"We know what can be done and we are beginning to do it. As individuals we are beginning to do the necessary things. As a nation, we are beginning to do them. The public is waking up, and just in time. In another 30 years it might have been too late.

"The social lesson of soil waste is that no man has the right to destroy soil even if he does own it in fee simple. The soil requires a duty of man which we have been slow to recognize.

"In this book the effort is made to discover man's debt and duty to the soil. The scientists examine the soil problem from every possible angle. This book must be reckoned with by all who would build a firm foundation for the future of the United States.

"For my own part I do not feel that this book is the last word. But it is a start and a mighty good start in helping all those who truly love the soil to fight the good fight."

The book, third in the new series of Yearbooks dealing with special subjects, is dedicated to the memory of Curtis Fletcher Marbut, for many years Chief of the Soil Survey Division of the Department. The 1936 and 1937 Yearbooks dealt with genetics. The 1939 book, already under way, will discuss human and animal nutrition.

The opening chapter of the 1938 book is entitled "Soils and Men, a Summary" and was prepared by the Editor, Gove Hambidge. In the following chapters soil scientists have attacked the problem of soil misuse from every angle, discussing causes and, insofar as possible,

1938 YEARBOOK OF THE U. S. DEPARTMENT OF AGRICULTURE
(continued)

giving remedies. Recent surveys show that if present farming practices continue, serious erosion damage will result to fully 60 percent of the crop land in the United States--a problem of concern to the entire nation.

The tribute to Doctor Marbut says in part, "Under his guidance, work in soils became a recognized science in the United States. His own researches in soil classification and geography laid the foundation for our modern concepts of soil....Although he became a citizen of the world, he retained the simple habits of his early life in the Missouri Ozarks. He died at Harbin, Manchuria, while on an expedition to China."

"Soils and Men" is for sale by the Superintendent of Documents, Washington, D. C., at \$1.75 a copy. The Annual Report of the Secretary of Agriculture to the President of the United States hitherto printed in the Yearbook has been omitted from this volume. It is published as a separate document and may be obtained from the Superintendent of Documents at fifteen cents a copy. The 1938 issue of Agricultural Statistics may be obtained from the Superintendent of Documents at fifty-five cents a copy.

Printed cards for articles in the Yearbook for 1938 will later be available from the Library of Congress Card Section. Cards have been printed for the Yearbook from its beginning in 1894, except for the issues from 1926 to 1935 inclusive, which were made up of brief summaries of miscellaneous new developments in agriculture under the title, "What's New in Agriculture?" Because the articles were so short and so numerous, it did not seem feasible to print a card for each one. The printing of analyticals was resumed with the Yearbook for 1936.

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THE GRAY HERBARIUM CARD INDEX
Proposed Reprint in Book Form

An announcement has recently been sent out by the Gray Herbarium, Harvard University, regarding a proposed plan for planographing in book form the Gray Herbarium Card Index. To quote from the announcement, "this Index is now in the form of 180,000 odd cards. To purchase a complete Card Index would cost about \$4,200 if a complete set were available, but many of the early issues are exhausted. In order to make the complete Index available to all at a low price, it will be necessary to planograph the cards into book form. This book, with paper binding, can be produced to sell for \$15.00 here in Cambridge provided it is printed before any major rise in prices. Tentative plans to print this book have been made, but before it can be done we need assurance of sufficient advance orders to warrant the printing of 500 copies, which quantity will make possible the low price of fifteen dollars."

For further details of the scope, organization, and history of the Index, see Science, n. s 71: 253-256. The Gray Herbarium Card Index. By Prof. B. L. Robinson and Leslie C. Wilcox.

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"FARM MAGAZINES"

All who have any familiarity with farm journals have for some time been quite conscious of the striking metamorphosis which has occurred in certain of these magazines during the past few years, particularly in those having a large circulation. This metamorphosis is interestingly described by Harland Manchester in Scribner's Magazine for October 1938. "In the last decade", he says, "all the big farm magazines have undergone extensive streamlining and face lifting, but their publishers have been less concerned with ultimate utilitarian uses than with carving for themselves a fat slice of the national advertising budget.

"Before the War, most of these magazines were homely, unpretentious trade papers printed on unglazed stock. While general periodicals followed current styles of prettification, most farm papers kept their old familiar faces. Beneath Victorian rococo mastheads, with their contented cows and old oaken buckets, there were closely packed columns telling what to do about different kinds of bugs, extolling the virtues of the centrifugal butterfat tester, and discussing the relative merits of Holsteins and Jerseys... The advertisements were also close to the soil. Fertilizers, seeds, silos and chicken feed, and spanking teams of Percherons modeling the latest in harness wear.

"There are still local magazines of that order, but in the national field, they have gone the way of the covered bridge. The farmer of today takes from his mailbox a magazine which matches the best in style and appearance. Coated stock, four-color covers, smart stories by the gilded trained seals of fiction, alert commentary on films, radios, fashions, beauty and child-rearing, and farm articles directed, not to a plodder with a hoe, but to an agricultural businessman. The back-cover cigarette ads are the same as those which beam on Manhattan newsstands; there are the same tooth-paste and soap ads; and even the announcements of tractors and oil stoves sparkle with modernity.

"There are several reasons for this startling metamorphosis. Once these papers were the farmer's only guide. When the Agricultural Museum, earliest farm magazine on record, was founded in 1811, there were no county agents. There were no agricultural colleges or state experiment stations. When Luther Tucker brought out Country Gentleman in 1853, the farm magazine was still the chief source of practical information. In 1877, when Farm Journal and Farm and Fireside (sire of Country Home) made their bows, conditions were much the same. The farm magazine had a definite mission in life - telling the farmer how to farm.

"All these overalled dirt-farming papers originated as sectional publications. But as farmers migrated westward, they took the magazines with them. Thus national farm magazines arose, and attempted to tell more and more farmers with widely differing problems 'how to do it.' Their editors campaigned for better roads, for Rural Free Delivery, for more agricultural schools and experiment stations, for larger appropriations for the Department of Agriculture, and for county agents to help farmers apply the new findings.

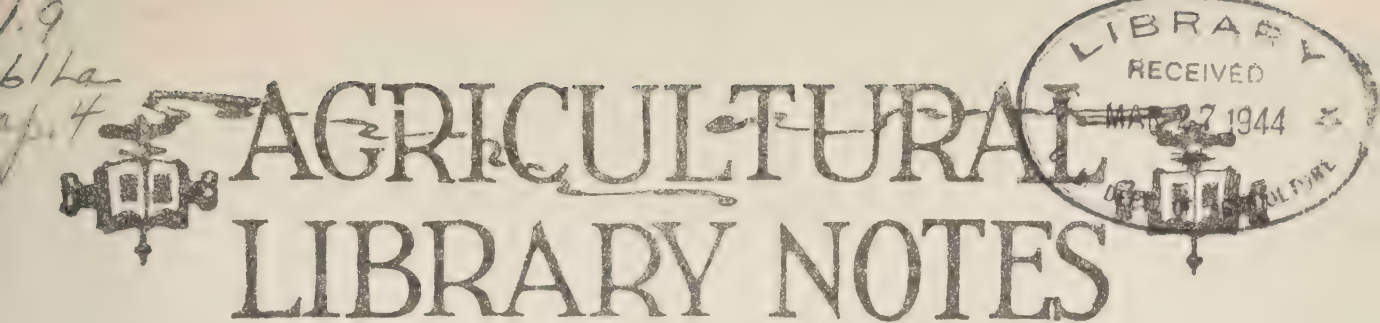
"FARM MAGAZINES"
(continued)

"The farm magazines won their fight, but many of them emulated the male bee who dies with the performance of his mission. Their mortality was heavy in the 1920's, and has been accelerated by the depression. In 1928, there were 600 magazines devoted to agriculture in its various branches. Today, 200 are listed, and of these, 46 are important enough to be noticed by national advertisers. In the strictly national field, there are only three farm magazines left, Country Gentleman, Country Home, and Farm Journal. Their editorial how-to-do-it platforms have been knocked from beneath their feet. Each of them has been forced to seek a new raison d'etre, and each has solved the problem in a different way."

Following this general introduction, the author of the article describes in some detail the changes which have occurred in the three journals referred to above. In addition to these journals which the author says "complete the roster of national magazines", he describes two regional magazines, Successful Farming, published in Des Moines, and Capper's Farmer, published in Topeka, Kansas. Of these he says that they are "just as important as the nationals in the fields of advertising, circulation, and editorial enterprise. They are literally 'regional' because they have stuck fairly close to their original plan of serving farmers in limited areas. Far from holding them back, this restriction has been both an editorial and a business asset. Although like the national magazines they have gone in for four-color covers, fiction, and elaborate women's sections, they have found it easier to follow the original purpose of farm sheets - giving practical advice. Their regionalism also helps them to sell advertising, for they have concentrated their circulation in the richest agricultural sections of the United States."

In the accounts of all of these five journals, particular attention is given to their advertising policies and circulation problems.

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PRINCIPAL LIBRARY ACCESSIONS*

Agricultural Law

CARRARA, G. Corso di diritto agrario. Ed. 2, v. 1. Roma, Editrice "Stvdivm", 1938. 30.5 C23 Ed.2

Agriculture

PATERSON, J. W. Science in agriculture. New York, Longmans, Green, 1938. 30.2 P27S

Botany

ADAMSON, R. S. The vegetation of South Africa. London, British empire vegetation committee, 1938. (Monographs of British empire vegetation) 460.46 Ad1

BLATTER, E., and MILLARD, W. S. Some beautiful Indian trees. London, Bale & Curnow, 1937. 460.12 B61S

FRIES, E. M. Monographia hymenomycetus Succiae. Unveränderter nachdruck der original-ausgabe von 1857. Leipzig, Klinkhardt, 1938. 462 F91 1938.

HOLMAN, R. M., and ROBBINS, W. W. A textbook of general botany for colleges and universities. Ed. 4. New York, Wiley, 1938. 463 H73 Ed.4.

JULLER, E. and KOHLER-WIEDER, R. Tabellen zur bestimmung der wichtigeren mitteleuropäischen giftpflanzen im blütenlosen zustand. Jena, Fischer, 1938. 454 J94.

KEW. ROYAL GARDENS. Hand-list of Coniferae, Cyeadaceae & Gnetaceae grown in the Royal botanic gardens, Kew and at the National pinetum, Bedgebury. Ed. 4. London, H. M. Stationery off., 1938. 452.3 K51 Ed.4.

LINNE, C. von. The "Critica botanica" of Linnaeus. Tr. by the late Sir Arthur Hort. London, 1938. (Ray society publication, no. 124. 1937) 452.04 L64C 1938.

Chemistry, Chemical technology

HUM, R. Chemistry for engineering students. London, Griffin, 1938. 386 H88

MORGAN, SIR G. T., and PRATT, D. D. British chemical industry, its rise and development. New York, Longmans, Green, 1938. 388 M82.

READ, W. T. Industrial chemistry. Ed. 2. New York, Wiley, 1938. 388R22 Ed. 2

Comparative Anatomy

LOCHTE, T. Atlas der menschlichen und tierischen haare. Leipzig, Schöps, 1938. 444 L78

* Requests which are sent to the Library for the loan of items on this list should include the call number following the entry.

PRINCIPAL LIBRARY ACCESSIONS

(continued)

Cooperation

- KOOPERATIVE FORBUNDET, Stockholm. Farmers and consumer cooperation. Stockholm, Kooperativa förbundet, 1938. 280.2 K83.
- STEVENS, W. M. Effective structural organization for Chinese cooperatives. Nanking, College of agriculture and forestry, University of Nanking [1937?] 280.2 St4E.
- STEVENS, W. M. Practical cooperative accounting with special reference to Chinese cooperatives. Nanking, University of Nanking, 1936. 280.2 St4P

Description and travel

- FEDERAL WRITERS' PROJECT, Delaware. Delaware; a guide to the first state. New York, Viking press, 1938. (American guide series) 125 F312D.
- FEDERAL WRITERS' PROJECT, South Dakota. A South Dakota guide. Pierre, State publishing company, 1938. (American guide series). 125 F312S.

Domestic Animals

- BRADLEY, O. C. The structure of the fowl. Ed. 2. Edinburgh, Oliver and Boyd, 1938. 47 B72 Ed.2
- ESPE, D. L. Secretion of milk. Ames, Collegiate press, 1938. 44 Es6.
- GREAT BRITAIN. WAR OFFICE. Manual of horsemastership, equitation and animal transport, 1937. London, H. M. Stationery off., 1937. 42 G792M.

Economics

- AYRES, C. E. The problem of economic order. New York, Farrar & Rinehart, 1938. 280 Ay72P.
- BIDWELL, P. W. Our trade with Britain. New York, 1938. (Publications of the Council on foreign relations). 286 B472.
- DEUTSCHE BANK, Berlin. Das land Österreich im deutschen wirtschaftsraum. Berlin, 1938. 280.177 D48.
- GRADUATE INSTITUTE OF INTERNATIONAL STUDIES, Geneva. The world crisis. New York, Longmans, Green, 1938. Also being published in French under the title "La crise mondiale", Zürich, Editions polygraphiques, 1938. 280 G75W.
- HALE, R. S. The language of economics and ethics. Boston, Bruce Humphries, 1936. 280 H13L.
- HARWOOD, E. C. and others. Current economic delusions and their probable future effects. Cambridge, Mass., American institute for economic research, 1938. 280 H265.
- KING, C. Social agency boards and how to make them effective. London, Harper, 1938. 280 K58.

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Economics (continued)

- KNOTZINGER, F. Der rückgang des gebirgsbauerntums in Niederösterreich. Berlin, Vahlen, 1938. (Südostdeutsches bauerntum, hrsg. von Ernst Lagler., bd.1) 282.2 K75.
- LANGE, O. and others. On the economic theory of socialism. Minncapolis, University of Minnesota press, 1938. (Vol. 2, Government control of the economic order, ed. by Benjamin E. Lippincott) 280 L262.
- LEDERER, E. and LEDERER-SEIDLER, E. Japan in transition. New Haven, Yale University press, 1938. 280.183 L49
- LOWNDES, A. G. and MAZE, W. H. Land utilization regions of Tasmania. Sydney, 1937. (University of Sydney publications in geography. no. 4) 282 L952.
- SOUTH AFRICA. DEPT. OF AGRICULTURE AND FORESTRY. Grading and marketing of wattle bark. Pretoria, Government printer, 1936. 280.377 So8
- STEWART, J. R. Manchuria since 1931. New York, 1936. (Secretariat papers, no. 2. Secretariat, Institute of pacific relations) 280.184 St4.

Economics, Agricultural

- CHAMBER OF COMMERCE OF THE UNITED STATES OF AMERICA. AGRICULTURAL DEPARTMENT COMMITTEE. Cotton supply and distribution. Washington, 1938. 281.372 C35.
- HORNE, B. C. Nuestro problema agrario. Buenos Aires, Bernabe, 1937. 281.161 H78.
- HORNE, R. L. The farm business. Ed. 3. Chicago, University of Chicago press, 1938. 281.12 H78 Ed.3.
- KIMURA, M. Japan's agrarian problems. Tokyo, Foreign affairs association of Japan, 1937. 281.183 K57.

Electricity

- GOLDING, W. E. The electrification of agriculture and rural districts. London, English universities press, 1937. 335 G56.

Engineering

- HANDBOOK OF WATER CONTROL. Los Angeles, California corrugated culvert company, 1936. 290 H194.
- RUBEY, H. Route surveys. New York, Macmillan, 1938. 290 R82R

Entomology

- ITALY. R. COMMISSARIATO GENERALE ANTICOCCHIDICO. Le cocciniglie degli agrumi e le fumigazioni cianidriche. Catania, Zuccarello & Izzi, 1937. 431.6 It1
- MCDUNNOUGH, J. H. Check list of the Lepidoptera of Canada and the United States of America. Pt. 1. Los Angeles, 1938. (Memoirs of the Southern California academy of sciences, v. 1.) 430 M142

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Evolution, Genetics

- POULSON, D. F. The embryonic development of *Drosophila melanogaster*. Paris, Hermann, 1937. (Exposés de génétique; publiés sous la direction de Boris Ephrussi, 3; Actualités scientifiques et industrielles. 498.) 443 P862.
- WALTER, H. E. Genetics. Ed. 4. New York, Macmillan, 1938. 442 W17 Ed. 4.

Field Crops.

- MARTIN, F. Le caféier. Paris, Impr. des Orphelins-apprentis d'auteuil, 1938. 68.2 M36
- TOBLER, F. Deutsche faserpflanzen und pflanzenfasern. München-Berlin, Lehmanns, 1938. 73 T551

Finance

- BAXTER, W. J. America faces its greatest business depression. New York, International economic research bureau, 1937. 284 B33.
- EGGLESTON, D. W. C. Wall street procedure. New York, Greenberg, 1930. 284 Eg3.
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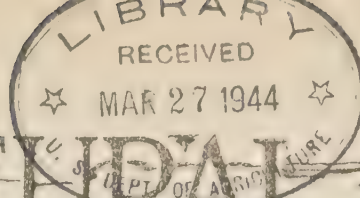
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"Biological Abstracts, like the abstract journals in the other sciences, consists of extremely condensed summaries of articles in all the scientific journals in its particular field, as well as of all new biological books. Scientists, by running through its pages, can get the gist of all articles published everywhere, and thus keep track of what is going on in their chosen lines of activity.

"Difficulties have developed, due to the fact that Biological Abstracts summarizes everything that appears in the whole wide field of biology, thus becoming very thick and of course costly to publish. At the same time, practically every biologist is a specialist, reading only the section of the journal devoted to his particular field.

"For this reason, the board of editors has announced that Biological Abstracts will henceforward be published in five sections. The individual biologist may subscribe to any section or sections he desires, at annual rates from \$6 to \$9. The entire journal, with all five sections between the same covers, will continue to be used by libraries, at \$25 a year. This arrangement, it is hoped, will do much to solve the financial difficulties previously encountered." (Science News Letter, October 29, 1938, p. 283)

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SOME PHASES OF ENTOMOLOGICAL WRITING FROM
THE VIEWPOINT OF THE READER

By Roger C. Smith,
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This article, which is of interest both to scientific workers and to librarians, is reprinted from the Journal of Economic Entomology, vol. 31, no. 5, October 1938, p. 563-565. It originally appeared as Contribution no. 458 of the Department of Entomology, Kansas Agricultural Experiment Station.

"There are few subjects in entomology which have not been the object of more or less writing and investigation. Science progresses by the addition of individually unimportant new facts and observations, or the correction of previous statements. These additions are often widely scattered, and the bulk of scientific literature has become almost overwhelming. The task of keeping informed on a subject, even in a specialized field, becomes increasingly difficult.

"Correlating Material with Previous Contributions. - Before publishing new information, a true scientist seeks to learn what is already known about his subject or the phenomenon on which he writes. This requires a patient and thorough review of the literature dealing with the subject. A scientist endeavors to extend the borders of science by adding knowledge to that which is already known. Perhaps he may wish to make known new principles or to elaborate upon old ones.

"It is a duty to science and a courtesy to one's colleagues for a scientist to make his discoveries and observations available to others. This is usually done through the medium of some form of publication. With the rise in cost of publication, there has come an insistence on the part of journals for shorter papers, which in the main is laudable. In order to attain brevity, some journals limit the number of pages or the length of the bibliography and review of the literature. As a result, only a small group of specialists or workers on the same problem is likely to have the necessary background to understand and appreciate the content of such papers. The necessity of limiting the cost of publishing papers is understood and appreciated generally. The continuation of some scientific journals is actually endangered by high costs and low income. In general, the right sort of brevity in writing improves the paper. But failure to include a sufficient critical review of previous writing on the subject, to enable the reader to correlate any new facts with what has gone before, seriously weakens the contribution. A mere reference to previous papers, as for example: Important observations have been made on this subject by A(1910), B(1915) and C(1925), is neither a review of the literature nor a correlation of the new information with the old. It is poor economy to neglect to point out how the current observations or results agree, disagree or amplify previous work. This can often be done in a few lines that are well worth the effort and cost.

SOME PHASES OF ENTOMOLOGICAL WRITING FROM
THE VIEWPOINT OF THE READER

(continued)

"This growing tendency to omit mention of previously published work gives the impression of presenting all facts and observations as new and original. It opens the writer to the suspicion that he is not acquainted with what has already been done on the subject. Failure to review the literature thoroughly before publishing often results in unnecessary additions to scientific bibliography.

"Abstracts or Summaries. - Scientific papers, particularly the longer ones, should include a well-thought-out abstract or summary, because most readers read the summary first. A summary serves three purposes: (1) It enables the reader to determine whether or not the paper is of sufficient interest to him to warrant his reading it; (2) it enables the teacher and general reader to keep themselves informed on the trend of current biological investigations with a minimum of effort; and (3) it enables any reader to peruse the article more intelligently than he could otherwise. With the main facts in mind, the reader can give attention to details. A good summary enables an abstractor to prepare a better abstract of the paper than would otherwise be the case. Scientific writings are intended to be usable records. The reader should, therefore, be given due consideration in the presentation of experimental observations.

"Need of Subject Summaries. - There is a serious need in entomological literature for summary publications. Uvarov (1928, 1931) has pointed the way with model summaries of book size of the literature on grasshoppers, insects and climate, and other subjects. Grading (1936) has prepared a laudable example of such a summary, now in the second edition, on pyrethrum flowers. The excellent review of the literature on wireworms by Thomas (1930) is an example of an experiment station bulletin, while the writer's modest summary on Pharaoh's ant (Smith 1934) may be cited as such a review in the form of a journal article.

"Summaries on such well-known insects as the Hessian fly, chinch bug, codling moth, boll weevil and similar forms would be of book size, and their preparation, publication and distribution would be a suitable undertaking for the American Association of Economic Entomologists to sponsor and, if necessary, subsidize. Such summaries, properly prepared, would reduce to a minimum the reading necessary in order to secure an intelligent background on a subject. Small summaries could be published and distributed as bulletins or journal articles. Biological Reviews and the Quarterly Review of Biology are serving a most useful purpose in this field. There are no publications in entomology comparable to Physiological Reviews and Resumptio Genetica, though few branches of science have a greater bulk of literature or are advancing faster.

SOME PHASES OF ENTOMOLOGICAL WRITING FROM
THE VIEWPOINT OF THE READER
(continued)

"Referring to Papers in a Bibliography. - Three methods of referring to a paper in the bibliography are used: the name-date, name-number and number. There are marked advantages to the reader in the name-date method (e.g., Adams 1934). It serves as well as any method to locate the paper in the appended bibliography and conveys connotations of the work, viewpoint, location and the previous work of the author. In addition, it shows how recently the cited contribution was made.

"Place of Date in A Bibliographic Entry. - Best library practice favors placing the date, when listing a paper in a bibliography, at the end of the reference rather than after or under the author's name. This method is now used by the American Library Association and librarians generally, in Biological Abstracts, and in the various librarian helps published by the H. W. Wilson Company, such as the United States Catalog of Books and the Agricultural Index. Library practice stresses author and title, while the entomologist stresses author and date. The difference in effort required in locating the date at the end of a reference over that following or under the author's name is trivial.

"The omission of the subject from a reference reduces its bibliographic value. However, abbreviating a bibliography in this manner is infinitely more desirable than eliminating the reference altogether. It is not an uncommon fact that the bibliography of a paper is its most useful part to some readers or at some times. Calling attention to an important published paper, previously overlooked or the importance of which has not been fully realized, is a contribution comparable to new facts about the subject in question.

"Listing papers in a bibliography at the end of a paper in the order to which they are referred in the text, which would be neither alphabetically by authors nor chronologically, as when the chronology of the subject is to be emphasized, is the worst of all methods. There are no important arguments in favor of this objectionable method and there is much to condemn it.

"Bibliography as Footnotes. - Some writers follow the plan of listing seven or less bibliographic citations in a paper as footnotes rather than at the end of the papers when reference is made to each paper only once. This rule is followed by some journals as for example the Journal of Agricultural Research. This method brings the reference to the reader's attention while he is reading the page upon which it is mentioned. However, many journals, notably the Journal of Economic Entomology, follow as editorial practice the placing of all references regardless of number at the end of the paper. Supporting this practice is the elimination of the difficulty in handling footnotes in the print shop when set-

SOME PHASES OF ENTOMOLOGICAL WRITING FROM
THE VIEWPOINT OF THE READER

(continued)

ting up page proof. The use of "l.c.," "op.cit." and "vide" in making repeated reference to footnote bibliographic citations, as practiced especially by writers in history, is irritating to the reader and generally objectionable.

"Conclusion. - This brief discussion has included the following points: correlating published research with what has been done and recorded previously; the value of abstracts and summaries; the need of published subject summaries to reduce the space devoted to literature reviews and to enable the investigator in obtaining a background for his reading and work with a minimum effort; positions of the date in references; methods of referring to the bibliographic entries in the text of a paper; and finally the advantage of placing references at the end of a paper rather than listing them as footnotes.

"It may remind the young writer that there are good reasons for the present day style of entomological writing. All writers need to be reminded at times that the reader deserves first consideration in our writing. Accuracy, clarity, brevity, convenience and a sufficient background supplied by the author to enable the reader to correlate his contribution with what has gone before appear to be essentials of the best scientific writing.

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The U. S. Department of Agriculture Library has recently issued a leaflet showing the plan of the Library and the location of classes in the stacks.

RURAL BOOKS AS PRIZE WINNERS

By Caroline B. Sherman, Agricultural Economist,
Bureau of Agricultural Economics, U. S. Department of Agriculture

Have we who work among rural books most of the time ever stopped to realize how many rural books win prizes? To be sure, they are usually books of fiction, biography, drama, or poetry, but in these volumes are now found the reflections of vital economic and social conditions as they work themselves out in the lives of farm people.

Regardless of what we may think of the whole theory of prizes, especially when associated with literature, these awards have had a significant part in bringing rural life before American readers.

Why do farm books reap so many prizes? There seem to be several reasons. The turning of all the arts - writing, painting, etching, music - toward daily, earthy, native subjects has had its influence on great numbers of writers, critics, and readers. Then the call of country life is deep-ingrained in most of us. Many remember with sentiment a childhood on a farm. Many seek the country at frequent intervals for relaxation and refreshment. Others, devoted to the city today, think of the country as the place for satisfactory retirement and serene old age. Few are unconscious of the inherent appeal of rural life.

Then success does succeed. With several notable prizes going in quick succession to rural books, many writers, readers and critics naturally turned to them and frequently with award in hand. The original wording of the Pulitzer novel award started the procession. The prize was to go to the novel "that shall best present the wholesome atmosphere of American life and the highest standard of American manners and manhood". This evidently suggested a rural type to the awarding committee who interpreted it to include womanhood as well. Almost year after year the award went to stories of characters who were working out their lives among the farms or whose lives showed constantly the influence of early farm life and ideas. At this time, farm fiction was relatively new in American writing and with its unspectacular material would otherwise have had to make its way slowly. In 1923, the award went to Willa Cather for One of Ours, - decidedly not her best book - and served to bring to attention her earlier and stronger stories, My Antonia, O Pioneers, and Song of the Lark, which had received little attention when published. The next year, the Pulitzer award went to Margaret Wilson for her pioneer story of Iowa The Able McLaughlins, and the next year to Edna Ferber for So Big.

Although Louis Bromfield's Early Autumn which won the award in 1937 was not strictly a rural story, it was probably the first to link definitely the effects both east and west of our great migration of rural people.

Even when the wording of the Pulitzer award was modified in line with the newer emphasis on regionalism the prize winners still dealt with the rural scene, strongly individualized. Julia Peterkin's Scarlet Sister Mary introduced us to the coastal Negroes of South Carolina. Oliver LaFarge's Laughing Boy interpreted the Navajo Indians. Caroline Miller's Lamb in His Bosom

RURAL BOOKS AS PRIZE WINNERS

(continued)

was the story of a brave pioneer family in the Georgia pine barrens. Josephine Johnson's Now in November was universal tragedy focused by poverty on a Missouri farm. H. L. Davis's Honey in the Horn re-stated recent rude pioneer life in Oregon. In Gone With the Wind, Margaret Mitchell allows Scarlett to think that the force that motivates her every action is the home plantation called Tara.

Publishers were naturally aware of the procession. In fact they strengthened it, early and late. The Able McLaughlins and Honey in the Horn won publishers' prizes as well as Pulitzers. Other publishers' prizes through the years have gone to rural books: to Glenway Wescott's story of his Wisconsin forebears The Grandmothers; to Mazo de la Roche's story of the tumultuous Canadian household of Jalna (the first in the series of Jalna books in which the estate dominates all of the characters); to The Old Ashburn Place by Margaret Flint, a sharply localized novel of New England farmers; to I Am the Fox, by Winifred Van Etten, a rather neurotic story of an Iowa girl. The publishers' fellowship awards have included E. P. O'Donnell's distinctive Green Margins, which makes known the unusual people of mixed races who live by codes of their own in the strange country of the lower Louisiana Delta. A publisher's prize offered especially for novellettes was awarded last fall to Remembering Laughter by Wallace Stegner. Shortly before that, the American Booksellers voted that The Country Kitchen by Della T. Lutes was the most unusual book of its year. It quiet but humorous reminiscent chapters are centered around a savory kitchen in southern Michigan even as was the hearty family life of the 1870's.

As the Avery Hopwood prize goes periodically to a writer who has studied at the University of Michigan, it naturally has gone not only to rural but to midwestern books. It has pointed out at least two books that deal with highly specialized economic and social conditions and localities. Mildred Walker's Fireweed is perhaps the first novel to be intertwined with the problems of a cut-over rural region which a once-thriving lumbering industry is about to abandon to destitution. Ruth Dobson's Straw in the Wind, a story of an Amish community in Indiana, is one of a growing number of books dealing with the small homogeneous communities that were and are to be found in America in larger numbers than most of us realize. Perceptive studies of their objectives, ways, and results on the individual and family can have considerable significance today.

The fairly new Prix Femina Americain is attracting increasing attention. Internationalism is served in that it gives French translation and publication to the book of the year that its committee believes best expresses the spirit and character of America. So far it has usually gone to rural books--to Willa Cather's Shadows on the Rock, that lovely story of old Quebec and its off-lying island, to Mrs. Miller's Lamb in His Bosom, and to Naomi Babson's The Yankee Bodleys, a family chronicle that reflects the changes in its shore area of rural New England.

Boundaries between fiction and biography grow yearly more difficult to define. It is not a recent development, for as early as 1922 the Pulitzer biographical prize was awarded to The Daughter of the Middle Border by Hamlin Garland although many libraries class the Middle Border series as fiction.

RURAL BOOKS AS PRIZE WINNERS
(continued)

Then the Theodore Roosevelt Memorial award went to Garland as a social historian chiefly because of this series--Trail Makers of the Middle Border, A Son of the Middle Border, A Daughter of the Middle Border, and Back Trailers from the Middle Border. So we evidently may call these books fiction, biography, or social history, according to our viewpoint.

We well remember the astonishment when the large, coveted publishers' award (offered to writers the world over for the most significant biography of any person, of any country, and of any period) went to Grandmother Brown's One Hundred Years by Harriet Connor Brown. It is the story of a long quiet life of an Iowa farm woman, uneventful by most standards, and lived chiefly with the objective of so bringing up her large family that they would make useful citizens in any locality to which life might call them. The very fact that this was the life of the average pioneer farm woman, representing hundreds upon hundreds of mothers of American foundation families, well and simply told, brought this surprising recognition.

If Robert P. Tristram Coffin's story of his Maine Coast father -- a farmer of both land and water -- seemed a roseate one when it won honorable mention by the National Arts Club as a book best revealing the soul of America, certainly Mari Sandoz used little gloss in her prize biography of her tough and relentless frontier father, Old Jules.

Prize-winning plays often depict individualized rural characters, ways, scenes, and events. We have only to remember those signalled by the Pulitzer award: Miss Lula Bett by Zona Gale, Hell-Bent for Heaven by Hatcher Hughes, In Abraham's Bosom by Paul Green, Green Pastures by Marc Connelly. No city could grow the material for these plays and probably no country but America.

The Pulitzer prize for the most distinguished volume of verse often goes to rural poetry. Gertrude Stein has said that if Robert Frost is good as a poet it is because he is a farmer -- really in his heart a farmer. Be that as it may, three of his books have won this award -- New Hampshire, Collected Poems, and The Further Range. Strange Holiness by Robert P. Tristram Coffin has also won it, and this book received the award of the New England Poetry Society. Coffin's later book of poetry, Saltwater Farm, is even more closely linked to everyday life. Most of the poems in all of these volumes are simple and genuine, so true to farm and farm surroundings that even many who do not care for poetry find pleasure in them. The John Burroughs nature award, which usually goes to a distinguished naturalist, was given one year to a little-known New York farmer, W. W. Christman. He had struggled all his life to make a worthy home, a living, and good schooling for his many children. He was more than 60 years old and had retired by the time this award came, mentioning specifically his third volume of lyrics Wild Pasture Pine. Significant of our changing ideas regarding life on the land, his next book which was published just after his death, The Untillable Hills, shows in much more rugged and vital verse form his decision to let the stony hillside farm go back to the forests to which it was always best adapted.

U. S. DEPARTMENT OF AGRICULTURE UNIFIES ITS
WORK TO MEET NEW RESPONSIBILITIES

The following article on the reorganization of work which has recently taken effect in the U. S. Department of Agriculture is reprinted from the Extension Service Review, vol. 9, no. 1, November 1938:

"One major purpose of extensive changes in the structure of the United States Department of Agriculture which took effect on October 16, is to unify the work of the Department so that the results of State and local planning can be fully integrated on a type-of-farming and national basis as a guide to the administration of public farm programs.

"The Bureau of Agricultural Economics was designated as the general agricultural program-planning and economic-research service for the Secretary and the Department, with Howard R. Tolley, formerly A. A. A. administrator, as chief.

"This change was made to enable local and State planning to reach the Secretary in a truly significant and usable form and at the same time to provide a means of integrating the general planning and program-forming activities within the Department, the combined results to guide all action programs of the Department. The importance of providing for this was explained by the Secretary, who said:

"It is imperative that we establish over-all planning work for the whole Department in order to provide for proper functioning of the many new activities authorized in recent years by the Congress. It has become all the more necessary since the Department last July entered into a significant and far-reaching agreement with the Land-Grant College Association. (See editorial by Director Warburton in September Review.) Under the agreement the colleges and the Department are establishing democratic procedures that will give farm people an effective voice in forming, correlating, and localizing public agricultural programs. Farm people and official agencies in the States are now forming community, county, and State groups to carry on land-use planning and program building. In the expanded Bureau of Agricultural Economics, the Department is now establishing its part of the machinery needed to integrate State and local planning with general planning and program-forming activities within the Department."

"An agricultural program board, including the Chief of the Bureau of Agricultural Economics, the heads of the action agencies, the Director of Extension, and others, has been set up to scrutinize plans in the light of administrative feasibility and practicability. The head of the Office of Land Use Coordination, M. S. Eisenhower, serves as chairman of the board.

"Dr. A. G. Black, formerly Chief of the Bureau of Agricultural Economics, has been appointed director of marketing and regulatory work to act in behalf of the Secretary in coordinating and unifying the five fields of marketing activities--surplus commodities; marketing agreements; commodity exchanges; sugar; and marketing research, service, and regulatory work.

U. S. DEPARTMENT OF AGRICULTURE UNIFIES ITS
WORK TO MEET NEW RESPONSIBILITIES
(continued)

"The Agricultural Adjustment Administration, with the responsibility of administering the national conservation and adjustment program buttressed by an ever-normal granary through commodity loans, marketing quotas, and parity payments, when authorized, is now headed by R. M. Evans, formerly special assistant to the Secretary.

"The principal operating functions of the four regional laboratories authorized by the Agricultural Adjustment Act of 1938 for research on new uses and market outlets for agricultural products and the work of the Bureau of Agricultural Engineering have been placed under the direction of Dr. Henry G. Knight, Chief of the Bureau of Chemistry and Soils. The task of coordinating the planning of all research work of the Department and the experiment stations continues to be the responsibility of Dr. J. T. Jardine, director of research and Chief of the Office of Experiment Stations.

"All erosion-control, flood-control, and related activities that involve actual physical work on individual farms, watersheds, and other areas have been consolidated in the Soil Conservation Service under Dr. H. H. Bennett.

"The soils-research work, including the soil survey, and plant-research work have been unified in the Bureau of Plant Industry under the Chief, Dr. E. C. Auchter.

"The central staff offices of the Department are to be strengthened in keeping with the principle of appropriate centralization of policy but greatest possible decentralization of operations.

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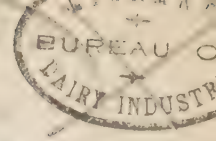
NUTRITION ABSTRACTS

The Journal of Home Economics for November 1938 contains the following announcement regarding its "Nutrition Abstracts:"

"Since spring, the Journal's abstracts from the current literature of human nutrition have been prepared by Sybil L. Smith and Mabel Dickson, who go over the literature systematically in connection with their work for the Experiment Station Record. They now assemble their Journal abstracts according to special subjects. Thus the batch which appeared in September has to do with the pellagra-preventive vitamin and those in the present number with vitamin C. It is believed that this arrangement will make the abstracts even more helpful to readers who use them to keep in touch with general scientific progress in human nutrition.

"In this connection it seems appropriate to call attention to the fact that anyone who wishes to clip and paste abstracts from the Journal for a card file can arrange for page proofs to be sent him regularly. The rates are listed on page 4 of the advertising section. If there were sufficient demand, reprints of batches of abstracts could be supplied regularly, beginning with 1939. All interested in such an arrangement are requested to write to the business manager, Miss Keturah E. Baldwin, 620 Mills Building, Washington, D. C."

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DUNTHORNE'S FLOWER AND FRUIT PRINTS OF THE 18TH AND EARLY 19TH CENTURIES

The Library of the U. S. Department of Agriculture has recently added to its collection of important gardening and art works of this country a beautifully illustrated quarto entitled "Flower and fruit prints of the 18th and early 19th centuries, their history, makers, and uses, with a catalogue raisonné of the works in which they are found." The author is Mr. Gordon Dunthorne of Washington, D.C., who is also the publisher. The volume consists of 275 pages and 82 illustrations, the majority of them in colors. The scope of the book can best be shown by giving a list of the contents and the author's preface. The chapters of Part I are as follows: I. Introduction; II. History: England early 18th century; III. History: The Continent and England late 18th century; IV. History: France early 19th century; V. Dr. Robert John Thornton and Samuel Curtis; VI. Nature printing, drawing books and periodicals; VII. Prints of fruits. VIII. Description of graphic processes. In Part II is included an explanation of abbreviations used; catalogue raisonné of the works of the 18th and early 19th centuries in which flower and fruit prints are to be found, with complete descriptions of the characteristics of each print, artist, engraver, publisher, and other details necessary for their identification; list of flowers in Furber's Catalogue of 1730; list of fruits in Furber's Catalogue of 1732; list of American trees and shrubs, hardy in England, from Christopher Gray's Catalogue of 1737; catalogue and description of each state of the prints of Thornton's "Temple of Flora"; list of works containing prints of camellias. Following is the author's preface:

"Prints of flowers may be treated as illustrative of different methods and processes of applying the graphic arts such as aquatint or lithography. In this case their study is purely technical and they fall into various classes according to the method of production. Or flower prints may be subordinated entirely to the requirements of botanical science and serve as the basis of a technical classification of the subject alone. In neither instance does the flower print take on any particular or special significance. And it is possibly for this reason that the subject has been so generally ignored and that there is practically no collected information available for any one who is or might become interested in this special subject.

"The appeal of the flower print is through that elusive quality which may be described as 'charm.' It is a compound of process techniques, draftsmanship, arrangement or design and color, mellowed and tempered by time. It speaks of an art which is simple, natural, graceful as the sunlight or the rain. It knows neither contortion nor distortion for in the flower world these are blights and very evil. It is both technique and something more than technique which makes the flower print distinctive in the field of graphic arts.

"There is no doubt that flower prints have a definite historical value, the study of which has been neglected, and to my knowledge there has been no work such as this which aims to recognize and critically evaluate them. In all cases my approach has necessarily been

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(continued)

that of a print collector. The quality of the prints has been judged from the viewpoint of technique as well as from their value as decorative works of art. The botanist undoubtedly will not be satisfied but his scientific approach is outside the scope of this book which is written by a print lover about prints.

"In the second part of the volume is a complete list of the works of the 18th and early 19th centuries which contain flower prints. Full descriptions of the prints, names of artists, engravers and publishers are given together with other details and indices. Through the use of this tabulation it will now be possible to identify nearly all flower and fruit prints of this period and trace their provenance. In the case of Dr. Thornton's publications each state of the plates which I have been able to identify has been listed and a catalogue of these important prints is now made available.

"Almost all of the works listed and described can be found in public libraries and collections in the United States of America, and their location is recorded in the Catalogue Raisonné, wherever permission has been granted. In a few instances where works could not be found in this country the necessary information has been supplied by Mrs. Leslie Chaundy of London and her co-operation and help are gratefully acknowledged.

"For the encouragement of the reader and possibly also in self-defense, it may be said that my own approach to the field of flower prints was quite accidental. Though a specialist in the graphic arts, it was not until the unique production of John Edwards, *A Collection of Flowers drawn after Nature and Disposed in an Ornamental and Picturesque Manner*, came into my possession, that I was made aware of this hitherto unexplored material of flower prints. The beauty and perfection of these plates gave me such pleasure that I offered to show them informally at a meeting of a neighboring garden club. An enthusiastic member suggested that I should also tell them something about the origin and history of these prints which, at the time, did not seem to present a very formidable problem. However, I found there was nothing in any of the graphic arts reference books on the subject of flower prints, except a meagre mention of Thornton and Brookshaw in Prideaux's *Aquatint Engraving*. This complete lack of any published information proved very embarrassing and the subject on which I had consented to speak was, of necessity, avoided.

"Here was a challenge not only to the 'curious gardener' but to the specialist in graphic arts as well. Then began a search for material and the study of flower prints, both those which formed my own collection and others which were made available to me. The research has been a very pleasant occupation and the discoveries have been surprising. I had no conception in the beginning either of the wealth of material or its richness of quality.

"This volume presents to the collectors of prints and the lovers of flowers (who should be one and the same even if they are not) the information which they will find of much value in the collection and study of flower prints."

REVIEW OF SMITH'S INTRODUCTION TO INDUSTRIAL MYCOLOGY

Smith, George. An introduction to industrial mycology. (Foreword by Harold Raistrick) 303 p. London, Edward Arnold & Co., Ltd. 1938. 462 Sm5.

This book is a chemist's attempt to produce a manual with which one untrained in mycology can isolate, identify, and work with fungi. The essential put forward in the foreword and in the preface is the desirability of escape from the mycologist's technical terms and elaborate diagnoses. The industrial chemist is represented as constantly meeting the presence and effects of microorganisms which he needs to know by name. Instead of telling him to go and hire a competent mycologist, the author has undertaken to furnish nontechnical descriptions and pictures which will cover the need. Having lived half a life time with chemists, the reviewer knows that under similar need for chemical knowledge, his fellow workers would tell him to hire a chemist and be sure he got a good one. Since it takes about as much time and grey matter to develop a chemist as it does a mycologist, the answer is good and works both ways.

The author succeeded a mycologist in charge of a well established, carefully named collection of fungous cultures. The book represents the reactions of a chemist's mind to the problems encountered in the handling and development of that collection in its relation to biochemical workers and problems. The fungi selected for description and illustration are largely those already studied biochemically in his own organization, not merely those already commercially important.

The introduction (p. 1-19) covers the elementary facts about fungi, their morphology and classification; the material presented comes correctly from standard sources. The basal ideas of classification are put into 4 pages. Then come the Zygomycetes with 21 pages, the Ascomycetes with 17 pages, the Fungi Imperfecti in general in 11 pages; the Mucedinaceae get 41 pages; *Aspergillus*, 41; *Penicillium* and its allies, 48; Laboratory equipment and technique, 32; physiology of the moulds, 12; the culture collections, 11; control; 12, industrial uses, 10; mycological literature, 6. The book contains 127 figures from photographs taken by the author. Many of them are exceedingly well done and will aid the user in identification; others will not help much. The author definitely rejects drawings in favor of photographs as more instructive to beginners. As soon as the worker seeks to identify his material more closely than mere relationship, he finds the more definite figures to become necessary. Occasional typographical errors occur in the Latin names used, but they are mostly unimportant species.

The author breaks down his large groups into series following in general those of Thom and Church for the *Aspergilli* and Thom for the *Penicillia*. His keys and descriptions adapted from such sources are intended to enable the user to carry the identification to the group. The finer distinctions necessary for identification to species are not attempted. The fact that there are biochemical contrasts between strains or species

REVIEW OF SMITH'S INTRODUCTION TO INDUSTRIAL MYCOLOGY
(continued)

closely resembling each other in morphology, is noted. The user, however, needs more definite warning that those groups are not species, hence the individual organism in culture can not properly be designated *A. glaucus* Link, *A. niger* von Tieghem, etc., without some identifying name, mark, or collector's number to show exactly what form is under discussion.

In addition to his own experience and his photographs, the author has collected much good biological material and arranged it according to his theory of the needs of the industrial worker. It will be interesting to see how closely it will serve the selected clientage. - Reviewed, by request, by Dr. Charles Thom, Principal Mycologist, Bureau of Plant Industry, U. S. Department of Agriculture..

"INTERNATIONAL BIBLIOGRAPHY OF AGRICULTURAL ECONOMICS"

Under the title "International Bibliography of Agricultural Economics," the International Institute of Agriculture has begun the publication of a new quarterly publication. The first number (vol. 1, no. 1) is for October 1938. The announcement of the new periodical states that it is compiled from the rich material received regularly by the Library of the International Institute of Agriculture, and that it continues the Internationale Bibliographie des Agrarökonomische Schriftum which, beginning with 1933, has appeared up to October 1938 in the review "Berichte über Landwirtschaft", published in Germany under the auspices of the Ministry of Agriculture. The object of the Bibliography is to include all publications - books, bulletins, pamphlets and periodical articles, of a scientific character dealing with agricultural economics proper, agricultural politics, and related problems, such as land economics, tenancy, colonization and settlement, credit, cooperation, insurance, marketing, taxation, statistics; also farm organization and management, appraisal and accounting. Agricultural history and geography, administration and legislation, rural education, and rural sociology, are also dealt with. The titles give all bibliographical data necessary for the proper identification of the publication. All languages receive equal treatment and the less known languages are provided with a translation in one of the recognized world languages. This Bibliography, which is the only source covering the whole international literature on this subject in a complete and systematic way, is also arranged by subjects. An alphabetical author index will appear at the end of each volume.

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The Report of the Library of the U. S. Department of Agriculture for 1938 has been published this year in multigraphed form. Unfortunately, the Library had to make the choice of issuing it in "nearprint form" or not issuing it at all.

NOTES ON PERIODICALS

New, Changed, and Discontinued

- Canada. Department of agriculture. Bulletin, new series. Ceased with no. 181, Nov. 1935.
- The Dairy and shopkeepers' journal. Ceased publication with v. 50, no. 594, June 1938. (Title changed to The Dairy and dairy shopkeeper incorporating the Milk bar journal with v. 50, no. 590, Feb. 1938.
- L'Expansion agricole. "Ceased publication since the end of 1936."
- Food for forums. Ceased with v. 1, no. 5, May 1938.
- Fur farming. London. Incorporated in British fur trade, Sept. 1938. Continued as a section in that magazine under own title and continuing its own volume numbering, beginning n. s. v. 14, no. 1. (Last separate issue was v. 13, no. 12, July 1938)
- The Journal of investigative dermatology. Official organ of the Society for investigative dermatology, inc. The Williams & Wilkins Co., Publishers, Baltimore, Md. Bi-mo. 8^o il. v. 1, no. 1, Feb. 1938. \$6.00 a volume, or included in membership dues of \$10.00 a year.
- The Kentucky pharmacist. Official journal of the Kentucky pharmaceutical association. 4602 Sixth Street, Louisville, Ky., mo. il. 4^o v. 1, no. 1, Feb. 1938. Succeeds J. K. P. A.
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- Norsk pelsdyrblad. Norges solvrevavlslags organ. Nye Sandviksvei 56, Bergen, Norway. Semi-mo. il. 8^o årg. 12, no. 1, Jan. 1, 1938. No price found.
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- Palestine. Office of statistics. Jerusalem. General monthly bulletin of current statistics. f^o v. 1, no. 1, July 1936. Post free, 650 Mils or 13/- per annum. (To be purchased through the Printing and Stationery Office, Jerusalem. 50 Mils. One shilling each issue) With v. 3, no. 7, July 1938, incorporates the Palestine commercial bulletin of Dept. of customs, excise and trade.
- Das Strassenwesen. Wien. Ceased with Jahrg. 11, Hft. 6, June 1938.

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Miscellaneous

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- International institute of agriculture. List of publications issued by the International institute of agriculture. Rome, Oct. 1938.
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- Twyman, F. Spectrochemical abstracts 1933-1937, being a 52-page bibliography with abstracts of over 200 papers on spectrochemical analysis. June, 1938. London, A. Hilger, [1938] 52 p. 241.64 T94
- U. S. National resources committee. Selected references on zoning. Prepared as reference material for the National zoning conference, sponsored by the National resources committee, Washington, D. C., held in Chicago, Illinois, December 13-14, 1937. [Washington? 1937?] 44 p. Mimeographed. 173.2 N214Ns

U. S. Department of Agriculture

Agricultural adjustment administration

- Study materials on consumer education; a selected bibliography. Nov. 1938. 4 p. Issued by Consumers' counsel division. 1.94 Ad422Cs

Agricultural economics

- The soybean industry: a selected list of references on the economic aspects of the industry in the United States, 1900-1938. Compiled by Helen E. Hennefreund and Esther M. Colvin, under the direction of Mary G. Lacy, Librarian. Oct. 1938. 474 p. Processed. (Agricultural economics bibliography no. 74) 1.9 Ec73A no.74

- State trade barriers: a short list of references. Compiled in the library of the bureau. Oct. 12, 1938. 4 p. Typewritten. May be borrowed for copying.

Agricultural engineering

- Bibliography on electric fencing. Compiled in the library of the bureau. 3 p. Sept. 1938. 1.9 En32Be

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(continued)

Department poultry committee

Bibliography of poultry publications. 76 p. Oct. 1938. Mimeographed.

"As a means of coordinating the various lines of poultry work in the United States Department of Agriculture and to provide a centralized source of information on poultry activities... the Secretary of Agriculture appointed a departmental poultry committee in March 1937. The membership was selected so as to include a representative of each bureau or other major administrative unit active in any phase of poultry production or marketing... In response to frequent inquiries concerning publications relating to Department poultry activities, with special reference to research work, the committee has prepared this compilation.

"The references include departmental publications, popular and scientific articles, and published addresses prepared by employees of the Department." 1.9 Ag84Pb

Farm Security Administration

[List of publications] Oct. 1, 1938. 3 p. 1.95 P96

Forest Service

List of publications on pulp and paper. Sept. 1938. 19 p.
Issued by the Forest products laboratory, Madison, Wisconsin.

1.9 F761Lp

List of publications on the seasoning of wood. August, 1938.
17 p. Issued by the Forest products laboratory, Madison, Wisconsin.

1.9 F761Ls

List of reference works on pulp and paper. August, 1938. 9 p.
(R564) Issued by the Forest products laboratory, Madison, Wisconsin.

1.9 F761Lr

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PUBLICATIONS OF THE INTERNATIONAL INSTITUTE OF AGRICULTURE

The publications of the International Institute of Agriculture are now priced in dollars and cents, with postage paid, instead of in Italian Lira as in the past. The Institute is distributing the new price list to all libraries. A deposit of publications will be made with the Institute book-sellers in New York who will fill orders promptly. New and forthcoming publications of importance include the following:

World agriculture situation. (Ready in December)

World production of trade in fats and oils. (Ready in January)

World trade in agricultural products. (Ready in January)

Bibliography of tropical agriculture. 1937.

Private forests in Europe.

The statistics of fruits and vegetables. (Number 1 of a series
of studies of methods of agricultural statistics)

Selection of cotton and distribution of seed.

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*These lists are prepared in the offices under which they are listed with the exception of the Office of the Secretary and the Extension Service.

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The Montana State University Library has a considerable collection of State agricultural experiment station publications which it does not care to keep. Anyone interested in the collection may secure lists of the items by writing to the Documents Librarian of the University.

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* Prepared in the Office of Experiment Stations Library.

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Agricultural Adjustment Administration

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2 p. Issued by Division of program planning. 1.94 Ad472Ch.
- The educational values of types of discussion. 1938. 6 p. Issued by
Division of program planning. 1.94 Ad472Ed
- Effect of federal milk control on cooperatives. Address by Dr. E. W.
Gaumnitz...before annual convention of National cooperative milk producers'
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8 p. 1.94 DI4Ad
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Ad472Gr
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1.42 Ea7N
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East Central division. 1.42 Ea7Ou

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- Agricultural outlook charts. 1939. Cotton. 21 p. Oct. 1938. 1.9 Ec70c
- Agricultural outlook charts. 1939. Oil seeds, flax, soy beans, peanuts,
and cottonseed. 19 p. Oct. 1938. 1.9 Ec70fl
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Ec 70to
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7 p. Ohio, 9 p. Wisconsin, 9 p. 1.9 Ec78Emr
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1928/29 to 1937/38. Oct. 1938. 91 p. 1.9 Ec733Gs

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**For a list of the principal series issued regularly, see Agricultural
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List of the names of counties in modified accredited areas for tuber-
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Suggestions for curing and smoking turkeys. 1938. 2 p. (A.H.D. no. 28)
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Side-lights on Bang's disease eradication; information concerning coop-
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Tuberculosis eradication division. 1.9 An533Sb

Statistical tables and map showing progress of tuberculosis work among
livestock in the United States. Oct. 1, 1938. 12 p. Issued by
Tuberculosis eradication division. 1.9 An533Stm

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Third semi-annual Naval stores report on production, distribution, con-
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Apr. 1, 1938-Sept. 30, 1938. Issued Nov. 15, 1938. Compiled by C. F.
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Grades of butter, eggs and Irish potatoes deliverable on contracts for future delivery. Compiled by Commodity exchange administration. July 1, 1938. 81 p. 1.9 C73Gb

Office of Experiment Stations

Research in home economics at the land-grant institutions. 1938-1939. Compiled by Sybil L. Smith and Mabel A. Dickson. Nov. 1, 1938. 27 p. 1.9 Ex6Ho

Extension Service

Abundant living for small towns and rural districts. By C. B. Smith. Issued 1934; reissued 1938. 8 p. (Miscellaneous extension publication no. 19) 1.9 Ex892Mi

Preparation and training of extension workers; survey of 7,873 extension employees-1938. By M. C. Wilson and Lucinda Crile. Nov. 1938. 25 p. (Extension service circular no. 295) 1.9 Ex892Esc

Storage of fruits and vegetables in community freezer lockers. By H. C. Diehl and Miriam Birdseye. Oct. 1938. 35 p. (Miscellaneous extension publication no. 47) 1.9 Ex892Mi

Farm Security Administration

The first year under the Bankhead-Jones farm tenant act. By Paul V. Maris, director, Tenant purchase division. [1938] 4 p. 1.95 T25A

Health problems among migratory workers. By Dr. Omer Mills, Regional economist. Talk given at annual convention of California league of municipalities (Health officers' section) at Santa Barbara, Calif., Sept. 8, 1936, at request of Dr. Walter M. Dickie of California State Dept. of public health. 9 p. Issued by Region 9. 1.9509 Ad8M

How may the conditions of tenant farmers and share croppers be improved. Address by Paul V. Maris, director, Tenant purchase division... before American country life association, Lexington, Ky. Nov. 4, 1938. 13 p. 1.95 T25A

Rural rehabilitation in region IV. Raleigh, N. C., Feb. 15, 1938. 14 p. 1.9504 R88

SELECTED LIST OF MIMEOGRAPHED PUBLICATIONS
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Forest Service

Compilation of state laws on forestry...for the state of Louisiana.
1938. Issued by Division of state cooperation. 1.9 F7681C

Compilation of state laws on forestry for the state of Massachusetts.
1938. Issued by Division of state cooperation. 1.9 F7681C

Community forests; their development in Europe and their possibilities
in the United States. 1938. 17 p. (B-20) Issued by Division of state
cooperation. 1.9 F7681B

Use of canvas and cotton insulation for building purposes. By W. Ellis
Groben. 1938. 7 pages. Issued by Division of engineering. 7 p.
1.9 F765U

Bureau of Plant Industry

Crotalaria. By Roland McKee and G. E. Ritchey. Sept. 1938. 3 p.
Issued by the Division of Forage crops and diseases. 1.9 P691Cro

Soil Conservation Service

Contour furrowing and treatment of a pasture. 1938. [4] p. Processed.
Issued by the Southeastern region (Region 2)
Spartanburg, S. C. 1.9602 C762

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CONGRESSES

VIIth International Congress of Tropical and Subtropical Agricultural
Production, Tripoli, Libya, March 13 to 17, 1939. President of the
Executive Committee: Prof. Franco Angelini, F.I.T.A., Via Regina
Elena, 86, Rome, Italy

XVIIIth International Congress of Agriculture, Dresden, 6-12 June 1939.
Generalsekretär: Dr. F. Sohn, Berlin, SW 11, Hafenplatz 4, Germany,

Vith International Technical and Chemical Congress of Agricultural
Industries, Budapest, July 10-20, 1939. General Secretary: Dr. Zoltáa
Guthfalvy-Dorner, Maria Valéria-utca 10., III. emelet, Hungary.

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CENTENARY NUMBER OF "EL CAMPESINO"

An abstract of the introductory pages
By Carolyn Whitlock, Division of Publications,
U. D. Department of Agriculture

The special edition of "El Campesino", Santiago, Chile, issued in October 1938, commemorates the first centenary (1838-1938) of the National Society of Agriculture of Chile (Sociedad Nacional de Agricultura). The editors explain in the foreword that this is the first time a review of such magnitude has been made of the progress of agriculture and its branches in Chile. This edition contains 466 pages and is profusely illustrated, the illustrations including pictures of the men who have made progress possible, as well as livestock, machinery, crops, industries, etc. It is the result of collaboration between the technical personnel of the Society and distinguished specialists on questions of technique and agrarian policy, and the publishing enterprise Zig-Zag, whose pictorial prestige is known in Chile and abroad.

To appreciate fully the influence that the National Society of Agriculture exercises on production and the way in which it fulfills its objectives, it is necessary to refer to the Statutes approved in 1896, under which were made possible its development, the development of agricultural training, both professional and practical, and the diffusion of technical progress through the medium of publications, interchange with institutions abroad, and expositions and meetings. The Society's program embraces functions that properly correspond to the State, and to carry out such a program requires very close cooperation between the Society and the Chilean Government, a cooperation that has been maintained and strengthened with the passing of time. The Society is not content with the general work of development, but seeks much further action through its various services created for the direct aid of farmers.

These services may be briefly mentioned as follows:

I. General services:

1. Membership section, which constitutes the important center of activities. This section maintains relations with public offices such as the Branch of Mortgage Credit, the Department of Irrigated Lands, State Railways, and more recently, the Branches of Agricultural Credit and of Colonization.
2. Livestock Section. This section looks after the development and improvement of livestock, and maintains a Genealogical Record of breeds of animals, which is recognized officially by the Government and serves as a basis for control of the importation and exportation of breed animals. This section organized the annual exposition of the Quinta Normal.
3. Bulletin Section (i. e. Publications Section). The official publications of the society began with its creation. The work of compiling the official journal of the Society is

CENTENARY NUMBER OF "EL CAMPESINO"I. General services (continued):

enormous, covering the entire history of Chilean agriculture in its various aspects - social, trade-guilds, technical, and development. "El Agricultor," the original organ of the Society, has suffered some interruptions in the course of publication, because of political upheavals in the past century. The extent of the influence of this publication is indicated by its collaborators, some of the finest minds and most illustrious writers of the country, such as: Benjamin Vicuña MacKenna, Marcial Martinez, Eduardo de la Barro, Abelardo Nunez, Joaquin Walker Martinez, and others. The first of those named revived the Bulletin of the Society in 1856, after a recess of seven years, under the name "El Mensajero de la agricultura." Some years later, in 1869, "El Mensajero de la agricultura" changed its name to "Boletin de la Sociedad nacional de agricultura." In April 1933 it took the name "El Campesino" and acquired the form and characteristics of a modern journal.

[Note: The U. S. Department of Agriculture Library has an incomplete file of this periodical from series 2, volume 1, October 1869 to date]

4. The Legal Section - one of the most recent services of the Society, organized to aid the members in settling legal problems. It renders valuable services to the members in the formulating of contracts, to avoid errors that may involve loss of time and money.
5. Commercial Section. Through this section, facilities of credit are extended to the members for the marketing of agricultural products, etc.
6. Radio. The most interesting step in modernization was the installation of radio service. The technical and commercial services have been improved through the radio and the facilities offered in publicity and dissemination of information.

II. Technical Services:

1. Biological Institute, founded October 4, 1920. Through its expert staff the livestock and dairy industry keep abreast with developments both at home and abroad.
2. The Experiment Station, established 5 years after the Biological Institute. The creation of an experiment station influenced the Government of Chile in establishing new experiment stations throughout the country, which carry on an important work in agricultural development.

CENTENARY NUMBER OF "EL CAMPESENO"

II. Technical Services (continued):

3. Poultry Section. In connection with the Biological Institute, the Poultry Section aids farmers in selection and classification of eggs, selection of poultry, methods of treating poultry diseases, etc.
4. Wine Section. One of the most recent. The section was established to aid the members interested in vine growing and production of wine.

III. Work of the Council and the Commissions:

The most important work is the administrative - settling problems of a technical-commercial character and technical-financial.

The permanent commissions include: Biologic, Experiment Station, Publications, Welfare, Legislative, Commercial, Vini-culture, Stockraising, Administration, Finance, Records, Dairy, Transportation, Arboriculture and Fruit culture, Information, and Irrigated Lands.

The first and perhaps most important article is on the Ministry of Agriculture of Chile, written by Francisco Rojas Huneeus, the Director General of Agriculture, who has spent more than 30 years in agricultural work.

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JUBILEE NUMBER OF "ENTOMOLOGISTS' RECORD AND JOURNAL OF VARIATION"

The Entomologist's Record and Journal of Variation, vol. L, no. 10, October 1938, bears the title "Jubilee Number". Following is the Prologus to the number, by G. T. Bethune-Baker, Editor Emeritus:

"Fifty years have sped by since the Founder of this Magazine, the late J. W. Tutt, launched its first number into the Entomological world. It rapidly established its right to live, and it was not long before it became well known on the Continent and beyond the seas. The lamented death of its first Editor, in January of the year 1911, just after he had been elected to the Presidency of what is now the Royal Entomological Society of London, was a blow that was hard to recover from, but the panel of Editors succeeded in maintaining the standard set by its Founder, and the Entomologist's Record now finds its way across the Atlantic and, in fact, nearly round the world. During its half-century of progress we have lost by death two other of its Editors, the Rev. C. R. N. Burrows and Dr. Chapman, both of whom held positions that are still vacant.

"In the present stress of life there seem to be fewer amateur entomologists than there were a generation ago, and we can only hope that this will rectify itself in the process of time, for it would be a thousand pities if the study of this branch of science were confined to professional entomologists only."

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PRINTERS' INK - FIFTY YEARS, 1888-1938

In July 1938, Printers' Ink issued an anniversary volume entitled "50 Years, 1888-1938." The Editor's Foreword stated that while the data out of which the story was built were taken from the files of Printers' Ink itself - ranging from 1888 to 1938 - it is not a history of Printers' Ink but essentially the story of the advertiser. The statement is made that, up almost to the Civil War advertising in magazines did not exist. The magazines did not want advertising in their pages and refused to admit it, and when admittance was granted they did little to welcome patronage. In the following abstracts references are made to the early advertising policies of farm papers and to the farm paper as a "market place for merchandising."

"Through the great part of its national life the republic had been primarily an agricultural society. Urbanization and the rise of manufacturing began to lessen the dominant importance of agriculture in the latter half of the nineteenth century. Nevertheless the farmer has continued as a major factor in the national scheme, and, though his importance may have decreased relative to that of other economic groups, his absolute importance as a market for goods had scarcely begun before the last fifty years.

"The farm press had its beginnings in the earliest days of the nation, but it was a good many years finding its rightful place in the lives of its readers. The early farm papers were little more than compilations of miscellaneous reading matter. Shortly before the Civil War appeared the concept that a farm paper ought to talk about farm life and farm business and with that its influence began to expand. Orange Judd applied this formula to the American Agriculturist and the paper took the circulation lead in the late 1860's with a total of over 1000,000. Among the distinguished early papers were Luther Tucker's Country Gentleman, a consolidation of the old Genesee Farmer and The Cultivator; The Southern Planter; D. D. T. Moore's Rural New Yorker; Prairie Farmer; and New England Farmer.

"As with other publications, the greatest growth came with the new facilities for production of printed matter. Coincidentally came important events affecting the economic position of the farmer, which naturally were reflected in improved opportunities for the farm press.

"By 1890 the total number of farms in the United States had reached 4,654,641 as the result of continual pressing forward against the Western frontiers. Their aggregate value was \$13,279,252,649 and approximately half the country's population lived on farms.

"The farmer was supposed to be largely self-sufficient, apart from his need for farm tools, so far as manufactured goods were concerned. And so, to a degree he was, but by geographical necessity rather than personal inclination. Moreover his supply of the wherewithal with which to buy goods was increasing, despite cyclical setbacks, through expansion of the national population, export trade and more efficient farm equipment and methods.

PRINTERS' INK - FIFTY YEARS, 1888-1938
(continued)

"The farm paper as a market place for merchandise was pretty much limited to mail-order selling during the greater part of the 1800's. The farmer was relatively remote from the sources of supply of manufactured goods, or rather the manufacturer was remote from the retailers in the rural areas. But in the latter quarter of the century the railroads and other methods of communication began to narrow this gap and manufacturers began to use advertising to narrow it further.

"By 1894 it was noticeable that the farm press was gaining in importance and circulation. It was now offering well-digested summaries of important current news as well as farm articles of a higher informative quality. It was defeating the weekly editions of the city newspapers in the competition for rural patronage by virtue of its improved, up-to-date tone.

"In that year were published 189 farm papers with a per issue circulation of 3,053,457. Farm Journal, Farm and Fireside, Farm and Home boasted circulations in the hundreds of thousands. In the West aggressive papers of relatively recent founding like Iowa Homestead, Hoard's Dairyman, Dakota Farmer, Breeder's Gazette, and Wisconsin Agriculturist came into prominence. The foundations for much greater growth were being laid. In the next ten years that expansion was to more than double the total farm paper circulation; an important factor being the arrival of rural delivery at the end of the century.

"As a consequence of the development of the late '80's and early '90's, advertisers of general lines came to join the seed companies, farm implement firms and mail-order sellers in the advertising columns of the farm press. By 1895 these included dry goods, shoes, cocoa, soap, tobacco, books and other items...

"The first step toward realization of the importance of advertising censorship traced back for many years. As early as 1859 Orange Judd, pioneer farm-paper publisher, promulgated the idea and a year later he announced that the American Agriculturist would exclude 'deceptive advertisements', also 'those persons who are not reported to perform what they promise.'

"In 1880 Wilmer Atkinson published in the Farm Journal an epochal announcement - the 'Fair Play' notice. Herein the publication offered to refund to subscribers any loss sustained 'by trusting advertisers who prove to be deliberate swindlers.'

"The Agricultural Epitomist later followed with a similar announcement and in time the refund practice became widely adopted in the farm press. Under the policy fraudulent advertising naturally became scarce because the publisher became an expert at detecting the fakes."

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AGRICULTURAL LIBRARY NOTES

Volume 13

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